THE CHEMIST AND DRUGGIST

TELEPHONE BANK 852 NUMBER

TELEGRAPHIC ADDRESS CHEMICUS LONDON.

Chief Office: LONDON, 42 Cannon St. E.C.

Registered as a Newspaper

Established in ENGLAND - 1859. AUSTRALASIA - 1885.

for Foreign Transmission

Branch Offices: MELBOURNE and SYDNEY.

No. 908 Vol. LI. SEPTEMBER 11, 1897.

Subscription, 10s per annum, including Diary, Free the World over. Single Copies, 4d each; Winter and Summer Issues 1s. each, Post Free.

UNDER EMINENT SCIENTIFIC CONTROL.

"APENTA"

THE BEST NATURAL APERIENT WATER

TRADE PRICES, per Case:

25 Large Bottles, 20/-; 50 Small Bottles, 32/6; 100 Quarter Bottles, 32/6 { *Carriage paid to any Railway Station in the United Kingdom.*

5 per cent. Discount upon Orders for 10 Cases.

TERMS:—Six Months' Credit from date of Invoice, Net Cash.

The retail prices printed on the labels are **1/3** per large bottle, **1/-** per small bottle, and **6d.** per quarter bottle.

THE APOLLINARIS COMPANY, LIMITED, 4 STRATFORD PLACE, OXFORD STREET, LONDON, W.

Allen & Hanburys,

MANUFACTURERS OF

Flexible Gelatine Capsules.

SPECIAL ADVANTAGES.

(*a*) **Freedom from Smell.**—Long experience in gelatine coating has enabled us to put forward a Capsule which, whilst being quickly and perfectly soluble, is not permeable to the odour of the drug—a point of great advantage.

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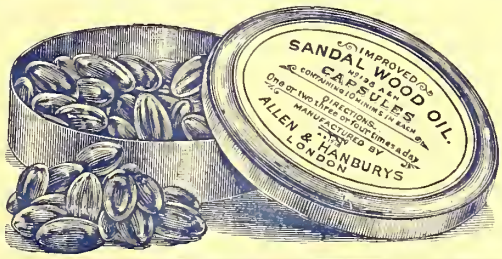
(*c*) **Flexibility and Solubility.**—The Capsules retain their flexibility for any length of time, and are always readily soluble.

(*d*) **Do not Adhere.**—Although very soft and flexible, they do not stick together even in hot weather.

Capsules form a ready means for the administration of nauseous medicines, and, from their shape and flexibility, they can be readily swallowed by patients who experience a difficulty in taking pills.

The greatest care is taken to insure accurate manipulation, and no pains are spared to make the finished product as perfect as possible, whilst we trust that the fact of these goods being of our own manufacture will inspire confidence in our customers as to the reliability of their contents.



Put up in convenient tin boxes at 1/-, 2/6, and 4/6 each, or 8/-, 21/-, and 40/- per dozen to the trade, subject to the usual discount.

ALSO IN BULK.

Allen & Hanburys Ltd., Plough Court, Lombard Street, London.

Laboratories & Warehouse: Bethnal Green, London, E. *Australian Agency:* 484 Collins St., Melbourne.

Exchange Column, *Coloured Supplement.*

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MAY & BAKER, LIMITED

Telegraphic Address—"BISMUTH LONDON."
A B C Code Used.

ESTABLISHED
OVER 60 YEARS.

Telephone
No. "3, BATTERSEA."

CAMPHOR.

M. & B. TRANSPARENT TABLETS

(SUBLIMED, NOT COMPRESSED).

MERCURIALS. ETHERS. BISMUTH SALTS.

PURE FRUIT ESSENCES.

PHOTOGRAPHIC CHEMICALS.

PERCHLORIDE OF IRON, NITRIC ACID, &c.

Specially Prepared for **PROCESS WORK.**

CYANIDE OF POTASSIUM (JOHNSON'S QUALITY.)

NICKEL SALTS, ACIDS, AND ALL PLATING CHEMICALS.

GARDEN WHARF, CHURCH ROAD,

STEAMBOAT PIER,
BATTERSEA SQUARE.

BATTERSEA, S.W.

NEAREST STATION
OLD BATTERSEA STATION,
West London Extension Railway

THE CHEMIST & DRUGGIST SUPPLEMENT.

SATURDAY, SEPTEMBER 11, 1897.

Businesses for Disposal
Businesses Wanted
Premises to Let
Auction Sales

ALSO EXCHANGE COLUMN.

For Bargains see last page of this Supplement.

Partnerships
Situations Vacant
Situations Wanted
Miscellaneous

A Copy of this Supplement is inserted in every number issued of "The Chemist and Druggist."

The Man who pays 1/- or 3/6

for an advertisement in this Supplement has to pay cash; so he becomes an exceptionally critical person in respect to the value of the advertisement.

That is a fair statement. Now, what do we find? Advertisers tell us their results—ten, twenty, thirty or more replies, summed up in the five words—"Suited; don't repeat the ad." And alongside that there is the fact that this Supplement has grown from a modest thing with a dozen advertisements in it to the present proportions.

The growth has been as gradual as phenomenal, which is the best proof that it is based on a sound foundation—extensive circulation and quick returns. When you want to advertise, please remember

"The Chemist and Druggist" Supplement.

CHEMISTS' TRANSFERS.

MESSRS. ORRIDGE & CO., 32 LUDGATE HILL, E.C.

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

VENDORS have the advantage of Messrs. O. & Co.'s direct attention and advice as to value without additional fee.

PURCHASERS are invited to forward a statement of their requirements, which will be notified in a register free of charge.

VALUATIONS having always been a prominent feature, Messrs. O. & Co. trust that the lengthened period during which they have enjoyed the confidence of the profession will be regarded as a sufficient proof of the sincerity of their endeavours to conduct these transactions in an honourable and straightforward manner.

—**£3,000.—LONDON (First-class suburb)**—Brisk Retail and Dispensing Business; chiefly ready-money; returns over £3,000, increasing; the business is situated in the main road, corner position; attractive premises well fitted and stocked; commodious premises held on lease; price £2,300.

—**£700.—LONDON (Residential locality).**—Dispensing and Retail Business; returns £700, *with good profits*; handsomely-fitted pharmacy; comfortable residence; price to an early purchaser, about £500.

—**£300.—LONDON BRIDGE (10 minutes from).**—Old-established Business, situate in main road; returns present rate about £300; can be largely increased by an energetic man; about £250 required.

—**£600.—LONDON (Busy main road).**—Light Retail Business; returns, under manager, £600; nicely-fitted shop and comfortable residence; lease about 19 years unexpired; valuation of stock and fixtures will be accepted.

—**£600.—LONDON, W.**—Old-established Business; returns, under manager, £600; well-fitted shop and ample working stock; price about £500.

—**£1,000.—LONDON, N.E.**—Well-established Business, situate in close proximity to busy railway station; returns £1,000, *net profit not less than* £350; the shop is handsomely fitted (by Treble); price £650, or valuation could be arranged.

—**£1,000.—WEST END.**—First-class Dispensing Business; very old-established; returns average £1,000; the shop is handsomely fitted and well stocked; large house, held on long lease; price £950.

8.—**£5,000.—ONE HOUR FROM LONDON.**—Old-established Business, Wholesale and Retail, including Mineral-water Manufactory; returns over £5,000 per annum; *net profit exceeds* £1,000; commodious premises, held on lease; terms, goodwill £750, and valuation of stock and fixtures; the business is known to us and we can recommend it; applicants must send references.

9.—**£750.—CATHEDRAL TOWN (West).**—Good-class Business, well situated in centre of town; returns last year £750, increasing; *net profit* £264; well-fitted shop, lighted by electric light; commodious residence, on lease; price £650.

10.—**£900.—SOMERSET.**—Unopposed Business, very old-established concern; returns, present rate, £900; the shop is nicely fitted and well stocked; large house and attractive garden; price £650.

11.—**EASTERN COUNTIES (Partnership).**—Half or one-third for Disposal; Wholesale and Retail, situate in a good provincial town; the business has been established over a century; the half-share produces £500 net yearly; full particulars will be furnished on application to bonâ-fide purchasers.

12.—**£1,000.—SOUTH WALES.**—Well-established Business, situate in the centre of town; returns £1,000 yearly; *net profit* £400; well-fitted shop and good stock; nice house, held on lease; price £750.

13.—**£1,200.—KENT.**—Brisk Retail Business, situate in the main street of a good provincial town; returns £1,200; *net profit* £300; comfortable house, held on lease; price £650.

14.—**£600.—MIDLANDS (Cathedral Town).**—Old-established Business, held by the vendor 20 years; returns £600; the shop is nicely fitted and well stocked; good house; valuation if required.

Particulars of any of the above will be furnished on application.

N.B.—NO CHARGE TO PURCHASERS.

TERMS FOR VALUATION ON APPLICATION. APPOINTMENTS BY POST OR WIRE HAVE IMMEDIATE ATTENTION.

Messrs. ORRIDGE & Co. invite communications from COLONIAL and FOREIGN firms where business of a confidential nature requires the especial attention of a London Agent.

SPECIAL NOTICE.—Messrs. ORRIDGE & CO. have a large number of Businesses for Sale suitable for Gentlemen with Small Capital, from £200 to £500.

ORRIDGE & CO., 32 LUDGATE HILL, LONDON, E.C.

F. J. BRETT

VALUER,

37 Waterloo Street, LEICESTER.

References to Principal London and Provincial Wholesale Houses, also to numerous clients throughout the United Kingdom.

BUSINESSES THOROUGHLY INVESTIGATED FOR BUYERS

NO CHARGE TO BUYERS.

£900 returns.—**LONDON, N.**—Good-class Light Retail, with large sale of own specialities; large and handsomely-fitted Pharmacy; good house, long lease; net profit £300; price £800.

£900 returns.—**LONDON, N.**—General Light Retail, Dispensing, and Prescribing; net profit £300; long lease; price £750.

£1,700 returns.—**BIRMINGHAM** (Good-class Residential Suburb.)—Cash trade; can be doubled by personal attention; price £700.

£600 returns.—**WALES, N.**—Very profitable unopposed Retail, bearing a net profit of £250; good house; rent £22; price £500.

£1,150 returns.—**LANCASHIRE.**—Handsomely-fitted shop, in good position of large town; cash trade; good specialities; with personal supervision, capable of large increase; valuation about £700.

£900 returns.—**CARDIFF.**—Good-class suburban Retail, with commodious house, at low rental and long lease; net profit £250; price £600.

£6,000 to £7,000 returns.—**MIDLANDS.**—General Wholesale, with local shops; capable of considerable extension with more personal attention; good introduction given; purchase money about £1,600, part of which can remain on security.

£550 returns.—Good profitable Retail; can be much increased by qualified man; good Yorkshire town; price £275.

£700 returns.—**LANCASHIRE.**—General Retail, Prescribing, &c., and Wines; good house, large yard and garden; pleasant locality; valuation about £400.

£1,000 returns.—**NOTTS.**—Good class Family Retail in nice market town; vendor retiring after 40 years' successful occupancy; good house, garden, &c.; price £850.

£540 returns.—**NORWICH.**—Light Suburban Retail, in healthiest part of the city; business steadily increasing; vendor leaving to take larger business; price £420.

WANTED.

F. J. BRETT has numerous inquiries for Businesses of all sizes and classes, and can speedily sell your Business for you

BERDOE & CO.

CHEMISTS' TRANSFER AGENTS AND VALUERS,

35 JEWRY STREET, FENCHURCH STREET, E.C.

Established 1870.

1.—**NOTTINGHAMSHIRE.**—Good-class Light Retail and Dispensing Business; same hands many years; owner retiring; returns £750; excellent prices; good house and garden; price £700.

2.—**SOUTH WALES.**—Light Retail and Prescribing Business; returns £1,000; net profit £400, after paying all expenses; good house, lease worth £200; price £750 or offer; trial allowed.

3.—**YORKSHIRE.**—Inland health-resort; good-class Light Retail and Dispensing Business, where there is scope for increase; rent £40; good house; valuation only required, about £400.

4.—**HAMPSHIRE.**—Good-class Light Retail and Dispensing Business; returns £1,100; net profit £350; handsome shop; best position in town; good house; price £900; valuation terms arranged.

5.—**DORSET.**—Old-established Family, Retail, Dispensing, and Prescribing Business; returns £1,200; same hands many years; retiring; good house, low rent, long lease; price £800.

6.—**SUSSEX.**—Good-class Light Retail and Dispensing Business; returns £700; double-fronted shop, well fitted and stocked; main road; good house and garden; price £625.

7.—**WILTSHIRE.**—Small market town; Retail and Prescribing Business; returns £400; shop is well fitted and stocked; rent £25; good house and garden; price £275 or offer.

8.—**SOMERSET.**—Unopposed Business of good class, under management; returns £550; rent £15; 6-roomed house; price £150, or valuation of stock and fixtures.

9.—**LONDON (Northern Suburb.)**—Good-class Light Retail and Dispensing Business; returns £750; good house; shop is handsomely fitted and well stocked; price £550 or offer.

10.—**LONDON, S.E.**—Death vacancy; unopposed Light Retail and Prescribing Business; returns £300 under management, capable of doing more; low rent; good house; price £200.

Particulars of either of the above free on application.

We have at the present time a number of really good Businesses on our books. Purchasers are invited to send their requirements, and particulars will be forwarded. VALUATIONS personally conducted.

NO CHARGE TO PURCHASERS.

35 JEWRY ST., FENCHURCH ST., CITY.

JUDD & MANNER

CHEMISTS' VALUERS,

Transfer Agents, Partnership Negotiator Arbitrators and Accountants,

76 CANNON STREET, LONDON, E.C.

Are instructed to offer the following Investments:—

CHESHIRE (owner retiring from business).—Good-c Family and Dispensing, with Photographic department; returns ave nearly £1,800 for past 3 years; good profits; splendid position in centre lively town; price about £1,650; good house and handsome pharmacy.

HOME COUNTY (40 miles from London).—Old-establis Family and Prescribing trade; returns £1,580; large and convenient ho held on long lease at a moderate rent; price £250 goodwill and valuati owner retiring.

DORSET.—Good-class Country trade in pleasant market town; retu £1,200; rent £45; price £800; the premises are the property of the vend who will grant a lease or sell the freehold; owner retiring.

DEVONSHIRE.—Good-class Retail and Dispensing trade; establis by vendor about 7 years ago; he is now retiring from the retail trade; turns £4,313; capital premises; price £3,250; the shop is double front very handsomely fitted, and well stocked.

NORTH-WEST OF ENGLAND (in busy market town) Returns £1,000; rent £35; price £600 or valuation; this business has be conducted under the management of an assistant, and is capable of gr extension under the personal supervision of a principal.

YORKSHIRE (West Riding).—Branch Retail and Prescribi trade, returning under manager about £10 weekly; good house and han some pharmacy; valuation of stock and fixtures will be accepted.

LANCASHIRE. Branch Retail and Prescribing, with good sale own Proprietaries; returns £16 10s. under a manager; rent and rates, £4 lock-up shop; valuation of stock and fixtures will be accepted.

LONDON, W.—Cash Prescribing trade, giving a net profit of near £200 a year; price £230; capital position, and plenty of scope for increas

VALUATIONS for Probate or Transfer by a fully qual fied member of the Firm. Books Audited, Balance shee Prepared and Chartered Accountants' Certificate given.

FERGUSON & OSBORNE

VALUERS and TRANSFER AGENTS.

VALUATIONS A SPECIALITY.

Our Mr. FERGUSON, Ph. Ch. (Exam.), having had a thorough practica training and long experience in the Wholesale and Retail, and as a Pro fessional Valuer, gives his personal attention to this department. Term on application.

1.—**SOUTH OF ENGLAND.**—Through illness; nicely-fitted Phar macy, in good town; price £130, not near price of stock and fittings.

2.—**NORTH OF ENGLAND.**—Old-established Retail, with valuable Agencies and Proprietaries; returns over £1,150, increasing; price £800.

3.—**BIRMINGHAM** (in Pleasant Suburb).—General Retail; returns over £900; nominal rent; price valuation.

4.—**LONDON.**—Retail and Dispensing; returns £650; price £420.

5.—**BIRMINGHAM.**—Retail and Prescribing; returns £600; price £400.

6.—**LONDON, S.W.**—Retail and Prescribing; returns £500; price £200.

56 CHEAPSIDE, LONDON, E.C.

THOMAS TOMLINSON & SON,

M.P.S.,

Chemists' Transfer Agents and Valuers,

9 NEW CANNON STREET, MANCHESTER.

44 YEARS' EXPERIENCE.

Valuations Conducted with careful attention to detail.

BUSINESS WANTED.—Thomas Tomlinson & Son, having on their books an extensive list of gentlemen who have entrusted them with commissions to look up a good genuine Business, intending sellers can rely upon being at once with all despatch put into communication with bona-fide buyers without publicity and the annoyance of answering "curiosity" applications. **No charge made unless Sale is effected.**

BUSINESSES FOR DISPOSAL of various classes and amounts of returns ranging from £200 to £4,000. Particulars given to bona-fide applicants stating outline of requirements.

Have constant inquiries for REGISTERED ASSISTANTS.

Applicants introduced free.

NO CHARGE TO PURCHASERS.

Telegraphic Address—"TOMTOM."

BUSINESSES FOR DISPOSAL.

3s. 6d. for 50 words or less; 6d. for every 10 words beyond.

LONDON, S.E.—Suburban Business, good Family Dispensing and Retail; been under management for some time; capable of great increase on modern lines; would suit an energetic young man commencing business; good position; rent £50; price £200. "Spes," 153 Sandringham Road, N.E.

LONDON, S.W.—Good-class Realty-money Business; main thoroughfare; established 22 years; corner shop, well fitted and stocked; good prices; average sales 3 years £500; net profits £200; rent £70; lease obtainable 21 years; house (private entrance) 9 rooms; inclusive price £425; investigation invited. "Spes," c/o Wright, Layman & Umney, Southwark, London.

LONDON.—Light Retail and Prescribing Business for Disposal for value of stock, &c.; returns over £5 weekly, very profitable; exceptional opportunity for beginner or open Surgery; has been neglected; could easily increase; rising neighbourhood; fixtures, &c., included in rent. Stamped envelope for particulars, "Retail" (254/34), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

MIDLAND COUNTY.—Same hands 43 years; retiring; first-class Retail and Dispensing Business; best position in town of 14,000; returns, under feeble management, about £1,000; younger man would do more; good house, excellent premises; price about £850. 254/9, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

NORFOLK.—An old-established Business, in large town, for immediate Disposal; long lease; main thoroughfare; good house and shop, side entrance; will be sold a bargain. For further particulars, apply "Drugs" (254/18), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

NORTH-EAST LANCASHIRE.—£320 worth of Fixtures, Bottles, Drugs, &c., in splendid stand in suburb of large town, for £200 or near offer; must be sold; 3 years' lease if required; only requires seeing; very investigation; large house, cellaring; references; no agents. 252/10, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

YORKSHIRE.—West Riding; Branch Business for Sale, in a thriving town, now doing under a Manager about £10 weekly; valuation of stock and fixtures will be accepted; good chance for a pushing man. Apply, R. D., c/o Messrs. Hodgkinson, Prestons & King, 81 Bishopsgate Without, London, E.C.

A GENUINE Retail Cash Business, situate in the main thoroughfare; long lease; low rent; good living and storage accommodation; price £50 or valuation; full particulars to bonâ-fide buyers. Address, "Drugs" (252/11), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, EC.

FOR immediate Disposal, at valuation (£500 to £600), an old-established Dispensing and good-class Retail Business; a good Counterman with knowledge of up-to-date trading could largely increase turnover; shop is in the heart of a good-class residential Lancashire town. Bonâ-fide purchasers please only apply (252/12), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

RETURNS over £600; rent £28, on lease; comfortable, profitable, and rapidly-increasing Business in Midlands; ingoing very reasonable; reason for disposal quite satisfactory. Apply, Thos. Tomlinson & Son, 5 New Cannon Street, Manchester.

TO WHOLESALE DRUGGISTS.—To be Disposed of an old-established Business in the Provinces, having a good connection with Retail Chemists, Educational Laboratories, Hospitals, and Dispensaries; a gentleman with capital the present opportunity affords an opening for an extensive business. For further particulars, apply by letter only, to B. A., c/o Mr. Robert Watson, Advertising Contractor, 150 Fleet Street, London, E.C.

£75 Cash will purchase small Retail and Dispensing Business, with good profits; qualified man would do well; good house, side entrance; rent £20 per year; rates about 10s.; shop newly-fitted and well stocked; 1½ mile from fashionable town; good reasons for disposal Apply, J., Feru Cottage, Burnham, Bucks.

£3,000.—South-West Coast.—First-class Light Retail and Dispensing Business, returning nearly £4,500. and of very profitable nature; shop occupies the best position, is handsomely fitted and heavily stocked; good house. Principals (enclosing references) can obtain full details on application, "Cinchona" (254/8), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

£300 or Valuation.—A Chemist's Business in Derbyshire, surrounded by large population, in a busy thoroughfare; no opposition, nearest Chemist nearly a mile distant; full prices; good shop; two large plate-glass windows in front; fixtures good and substantial; stock in good condition; large dry warehouses and cellars; every accommodation for Wholesale; pleasant situation; same hands nearly half a century; rent £30 per annum; profits on specialities included will pay half the rent. Apply, Mr. Blount, Chemist, Derby.

BUSINESSES WANTED.

3s. 6d. for 50 words or less; 6d. for every 10 words beyond.

WANTED, a Chemist's Business, returning about £500; country or suburban. Address, "Pharmacy" (251/6), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

WANTED, at once, a Retail and Dispensing Business on river or seaside, south of Thames; net profit £250 to £300 yearly. Full particulars to B. W., Conservative Club, George Street, Oxford.

APPRENTICESHIPS.

RETAIL.

APPRENTICE.—E. H. Hamilton, Chemist and Druggist, has a vacancy for an Apprentice; moderate premium required. 19 St. James' Street, Walthamstow.

WANTED, to Apprentice, in a thoroughly respectable business and good home, a youth; 17; well-educated, passed Prelim.; agricultural town preferred. Full particulars to Williams, Danygraig House, Porth, Glam.

TO LET.

3s. 6d for 50 words or less; 6d. for every 10 words beyond.

TO Let, in growing part of Lowestoft, a good Shop and 9-roomed house; specially adapted for a Chemist's business, as no other within considerable distance; rent £30. Further particulars from Grimwade, Ridley & Co., Ipswich.

SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words beyond.

RETAIL.

ABERDEEN.—Wanted, by the Aberdeen and North of Scotland Society of Chemists and Druggists, a qualified person to teach the Classes in connection with the Society. Apply, before September 15, to John Cruickshank, 42 George Street, Aberdeen.

BEXHILL-ON-SEA.—Wanted, by October 1, an Indoor Assistant, one accustomed to a first-class Dispensing and Retail business; good references indispensable. Apply, stating age, height, also enclose photo, to F. Wimshurst, Pharmaceutical Chemist, Bexhill-on-Sea.

BARNSTAPLE.—A competent, trustworthy, energetic Assistant, unmarried, accustomed to a good-class country town business; outdoors, but dinner and tea in the house; hours moderate; no Sunday duty; off Bank holidays and alternate Wednesdays at 4 P.M.; a good character indispensable. Apply, stating age, height, with photo, Samuel Goss, Pharmaceutical Chemist, Barnstaple.

BLACKHEATH.—Qualified Assistant, about 24; indoors. Apply personally, or with full particulars, to R. C. Harrison, 3 Eltham Road, Blackheath, S.E.

BRIGG.—Wanted, immediately, Improver; outdoors; rooms easily secured; state salary required, also age, height, experience, and references; country market town. Blankley, Chemist, Market Place, Brigg.

BRIGG.—G. H. Gibson is in immediate want of a qualified Assistant, outdoors; one accustomed to country trade preferred; character must bear investigation. Apply, with full particulars, to G. H. Gibson, Chemist, Brigg.

BRIGHTON.—Indoor Assistant, with Minor qualification, accustomed to good-class trade, to Dispense and assist at Counter; Junior kept. Apply, stating age, height, salary, references, and when disengaged, also enclose photo (if convenient), K Pears & Son, Pharmaceutical Chemists, 16 Western Road, Brunswick Square, Brighton.

SITUATIONS OPEN—*cont.*

RETAIL—continued.

BROMLEY (Kent).—Wanted, October 1, for Branch business, a qualified Assistant-Manager; gentlemanly, energetic, good Counterman; hours 9 to 9; Saturdays 10.30; Wednesdays 5. State age, height, experience, references, salary required indoors, and enclose photo (to be returned), to Wm. Baxter, Junr., Marlow, Bucks; or if after 14th, to 40 High Street, Bromley, Kent.

CALCUTTA.—Wanted, qualified (Minor) Assistant, who has had good experience, and can supply first-class references; unmarried; 4 years' agreement; passage out and home paid. Apply, giving full particulars of qualifications, to Alex. Lawrie & Co., 14 St. Mary Axe, E.C.

CAPE TOWN (South Africa).—A smart qualified Assistant wanted for a high-class Retail; age about 26. Apply, giving full particulars, to 211/43, Office of The Chemist and Druggist, 42 Cannon Street, E.C.

CHESTERFIELD.—Wanted, at once, a young man capable of managing a Country Branch (Mixed Light Retail); good Salesman indispensable; one able to do Extracting and Prescribing preferred. Apply, with references, age, salary required, to Andersou, Chemist, Chesterfield.

CLIFTON, BRISTOL.—For October 1.—Giles, Schacht & Co. require a qualified Dispenser, and also a smart Junior; accustomed to high-class business; indoors; good handwriting indispensable. State particulars of experience and salary required, and enclose photo.

DERBYSHIRE.—Wanted, immediately, qualified Assistant, indoors, for Mixed Country trade; market town: easy hours; weekly half-holiday; very little Sunday duty; comfortable home. Apply, with full particulars as to salary, references, experience, age, &c., with photo (to be returned), to 250/1, Office of The Chemist and Druggist, 42 Cannon Street, E.C.

DOVER.—Wanted, at once, a Junior Assistant (outdoors) in a Light Retail business; must be active and industrious, capable of taking charge. Apply, stating age, height, references, salary required and photo (to be returned), to Stevens, Chemist, Dover.

ESSEX.—Qualified Manager (single) for old-established business; Prescriber, Extractor; thoroughly experienced, and of good address; permanency to suitable man; indoors; Junior kept. Apply, stating age, references, salary, photo, to "Chemist," c/o Barron, Harveys, Giltspur Street, E.C.

FOLKESTONE.—Wanted, end of September, Improver or Junior, outdoors, for high-class Retail and Dispensing Cash business; must be well recommended and of good appearance and address. Apply, with full particulars, stating age, salary required, and enclosing photo (to be returned), to F. G. Curtis, Ph. Chemist, Sandgate Road, Folkestone.

FOREST GATE, E.—Indoors; two kept; no heavy trade; comfortable home. Apply, with photo (to be returned), stating age, height, experience, and salary required, to Harold Mitchell & Co., 56 Woodgrange Road, Forest Gate, E.

HASLINGDEN.—Wanted, smart active Junior (outdoors, abstainer), with Store experience preferred. Send photo (to be returned), all particulars, salary, references, height, Mountain, Cash Chemist.

HULL.—Junior for September 27 in Light Retail and Dispensing business. Please state age, height, references, and salary with photo (to be returned), Ryley & Smith, Chemists, 54 Osborne Street, Hull.

HULL.—Wanted, qualified indoor Assistant, about 24, accustomed to first-class Retail and Dispensing business; two kept; short hours. Apply, stating age, height, salary required, and references, to Metcalfe & Son, Pharmacists, Whitefriargate, Hull.

LENTON (Notts).—Junior or Improver wanted; indoors; used to good Mixed business. Apply, stating full particulars as to age, salary, references, &c., to T. Wilson, Chemist, Lenton, Nottingham.

LEYTONSTONE.—Junior Assistant for a Suburban Retail business. State age, height, experience, and salary required, also enclose photo if possible, Matthews & Son, Chemists, 722 High Road, Leytonstone, N.E.

LIVERPOOL.—£104 per annum, outdoors.—Wanted, by October 4, a trustworthy Assistant, aged 23 to 26; qualified; also young Junior or Improver; outdoors. State age, height, references, &c., to W. H. Clubb, Pharmacist, 138 Smithdown Road, Liverpool.

LIVERPOOL.—Wanted, at once, Junior, for a Light Retail, Dispensing, and Prescribing business; indoors. Apply, stating salary and previous experience, to "Phenol," 19 Newsham Drive, Liverpool.

LIVERPOOL.—Qualified Manager, married preferred, from 25 to years of age (no family, or only small); unfurnished house provide must be a good all-round man, and have good references. Apply, A. Sha 43 Green Lane, Stoneycroft, Liverpool.

LIVERPOOL.—Qualified Assistant required, outdoors, aged 23 to 2 salary 40s. weekly, with 2s. annual increase to 50s., and commissio 14 days' annual holiday. State experience, age, height, references, a enclose photo (will be returned), G. M. Sleggs, Chemist, 44 Robson Stre Liverpool.

LONDON, N.E.—At once, a qualified Assistant for Branch; aged to 30. Also an experienced Assistant, competent to take charg reasonable hours; very little Sunday duty. Apply, stating full particula of qualification, experience, age, salary (indoors), &c., "Chemist," 52 Bisho Road, Victoria Park, N.E.

LONDON, N.W.—Junior, about 19; about the 24th; indoor abstainer; hours 8 till 10, and alternate Sunday evenings; at libert Thursday afternoon and evening. Apply personally, or enclose carte wi terms, &c., to Mr. Taplin, 91 Hampstead Road, London, N.W. One on kept.

LONDON, W.—Qualified Assistant wanted; outdoors; must ha been accustomed to a good-class Retail and Dispensing business ar thoroughly up in all departments of modern chemistry; one having knowledge of homœopathy preferred; a good salary will be given to thoroughly efficient man. Apply, with full particulars, to "Chemicus Office of The Chemist and Druggist, 42 Cannon Street, E.C.

LONDON, S.W.—Immediately, a Junior Assistant who has been accu tomed to good-class business; 2 kept: personal application preferre W. P. Robinson, Deane & Co., Pharmaceutical Chemists, 17 The Pavemen Clapham Common, S.W.

LONDON, S.W.—Immediately, a competent Junior Assistant; quali fied preferred. Apply, stating salary and usual particulars, t J. Selley, 142 Earl's Court Road, South Kensington.

LONDON, S.E.—Junior Assistant required, in Light Retail and Dis pensing business. Apply, Shepley, 169 Brockley Road, S.E.

LONDON, S.E.—Dispenser-Bookkeeper to Surgeon, good reference immediately, wanted. H., 62 Newington Butts.

LONDON, S.E.—Smart Junior for Cash trade; 5 working-days per week; salary 23s. and commission; outdoors. Apply, "Permanent" (252/1), Office of The Chemist and Druggist, 42 Cannon Street, E.C.

LONDON, S.W.—Assistant (indoors), about 23 or 24, with Minor qualification. Please state usual particulars fully, Foster & Dallas, 1 Lavender Hill, S.W.

LONDON, W.—Qualified Assistant required, at once, for a West-end Pharmacy; must be good Counterman; aged about 26 years; married man preferred. Apply, with full particulars, to Messrs. J. B. Hay & Co., 8 Coventry Street, Piccadilly.

LONDON, N.W.—Immediately; Junior Assistant, for first class business; apply, personally, after 5 P.M., or send carte (which will be returned); also references, and write personally, stating salary required; hours reasonable. Cosway & Rutter, 109 Kilburn High Road.

LONDON, S.W.—Qualified Assistant, with good Dispensing experience, required by Newton Spyer, 13 Gledhow Terrace, South Kensington, S.W.

LONDON, W.C.—Manager wanted; permanency; outdoors; must be good Salesman and Prescriber, and have undeniable references. Apply, personally if possible, Boutall, 9 to 11.30 A.M., 52 Marchmont Street, W.C.

LYME REGIS (Dorset).—Wanted, Junior Assistant; indoors; age about 21; work Light Retail and Dispensing. Apply, stating age, height, salary, when disengaged, and photo (to be returned), also references, to G. Henley, Chemist, Lyme Regis, Dorset.

MARGATE.—Assistant required for Dispensing and Retail; none but a thorough competent man need apply; aged about 23. V. J. Woolls, Chemist, Margate.

MORECAMBE.—Wanted, smart Junior or Improver; one just out of his time. S. Parker, Chemist, Morecambe.

NEWCASTLE.—Wanted, qualified Assistant for two weeks, beginning September 20; must be steady. C. H. Garbutt, Chemist, 89 Shields Road, Newcastle.

NEWCASTLE (Staffs).—Assistant for Light Retail and Dispensing business; indoors. State salary required, references, and full particulars to E. H. Croydon, Newcastle, Staffs.

NORTH-WEST OF ENGLAND.—Managing Assistant wanted for large Retail Drug Stores; must be active and good Salesman. State age, salary, experience, and full particulars, to A168, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

NORTH OF ENGLAND.—Required, at once, Manager (qualified) for large Mixed business on Stores principle; must be energetic, of good address, smart salesman, and thoroughly experienced storesman; good salary given to suitable man. State age, height, experience, salary required, with copy two recent testimonials, to 253/7, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

OXFORD.—Wanted, immediately, qualified Senior, with knowledge of Photography. Particulars to "Pharmacist," 17 Bloomsbury Square.

PLYMOUTH.—Outdoor Assistant wanted, accustomed to brisk Counter trade: abstainer preferred. State age, experience, and salary required to F. F. Cox, County Drug Co, 107 Old Town Street, Plymouth.

SAFFRON WALDEN.—Assistant, Junior, active and good Counterman, for Country Retail and Dispensing; must be steady and obliging. Enclose photo, stating age, height, salary and references, to John Gilling, Pharmaceutical Chemist, Saffron Walden.

SALFORD.—Wanted, an Assistant (Minor); also a Junior, about 19 years; outdoors. State experience, references, and salary, S. S. Butcher, 329 Chapel Street, Salford.

SHEFFIELD.—Wanted, Smart Junior. Apply, with usual particulars, to Twelves, Chemist, Sheffield.

SHEFFIELD.—Qualified Assistant wanted, immediately, with knowledge of Agricultural trade; hours 8.30 to 7, Saturdays close 11 P.M.; Thursday half-holiday; no Sunday duty. Apply, with full particulars and salary required, to Newhams (Limited), 27 King Street, Sheffield.

SOUTHSEA.—An Assistant, about 22 or 23. Apply, stating age, height, experience, and salary with photo (to be returned), to J. G. Sangster, Dispensing Chemist, Southsea.

WEST-END Store Chemist requires this month an obliging Junior, accustomed to Dispensing, Counter, and Stock; aged about 20; good salary to suitable Assistant. Applicants must state age, salary required, particulars of class of trade accustomed to, and enclose references and photo, J. Ockenden, Chemist, Moorfields, E.C.

WHITEHAVEN.—Wanted, an Assistant capable of taking charge occasionally; permanency for suitable man. Apply, with references, &c., to John H. Grayson, Chemist, Whitehaven.

WOLVERHAMPTON.—Wanted, immediately, an energetic, qualified Assistant (outdoor), as Manager for a general Retail business; one having a fair knowledge of country trade preferred; no Sunday duty; hours 8 to 7.30, Saturdays excepted. State age, qualification, experience, salary required, with references, enclosing photo if possible, Reade Brothers & Co. (Limited), Chemists, Wolverhampton.

WOOLWICH.—Wanted, at once, reliable Assistant, accustomed to quick Cash trade. Apply, stating age, height, whether qualified or not, and salary required, to Goldthorpe & Cook, Chemists, 70 Herbert Road, Plumstead.

WREXHAM.—Wanted, an experienced Junior, 21 or 22, well up in first-class work; Photography; outdoors; liberal salary; easy hours. Caldecott, Regent Pharmacy, Wrexham.

YORKSHIRE (East Riding).—Wanted, a qualified Assistant, to Manage a Mixed country business in East Riding of Yorkshire; good Prescriber and pushing Counterman. Applications, with photo, stating age, experience, references, and salary required, to "Sadrob" (249/7), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

COMPETENT qualified man to work up Suburban Branch; good house provided; also a Junior, not under 21, to work with principal. State usual particulars to "Honourable" (250/28), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

JUNIOR wanted, for Mixed Drug Store in the Midlands; unqualified; good business tact required; character must bear every investigation; abstainer preferred. State salary and full particulars, with photo, to 252/36, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

JUNIOR (qualified), to take first position at second counter; salary (outdoors) £2 a week. Apply, stating age, height, references, and enclose photo, Wand, Cash Chemist, Haymarket, Leicester.

MANAGER, smart energetic man of business, qualified, for a first-class Country business (Midlands); other Assistants kept; a good prescriber, and well up in Agricultural trade. Apply, with full particulars of experience, carte, state age, height, and salary required, "Exor," to Wright, Layman & Co., 50 Southwark Street, London, S.E.

QUALIFIED Manager wanted for a Drug Store in the suburbs. Full particulars, with age and references, to 254/23, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

QUALIFIED Man Wanted for Business on Stores principle; must be smart, energetic Salesman, and of good address; with thorough experience of Stores business; good salary to suitable man. Apply, stating full particulars and copies of two recent testimonials, to M. C. (252/34), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

REQUIRED, by September 22, qualified, married Assistant, to aid in working up a London Branch on strict Stores lines; rooms on premises; must be good Counterman, Prescriber, and Dispenser, and character bear strict investigation; none but those seeking permanency entertained; moderate but progressive salary. Apply, stating age, experience, and number in family, to W. S. (248/25), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

SHORTLY, Manager and Assistant (qualified preferred), for good-class Store trade; outdoors; must be good Counterman, quick, and have thorough general knowledge; Dentistry and Photography desirable. Apply, with photo, references, salary required, and full particulars, to "South Coast" (254/40), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

TWO Juniors wanted immediately, indoors; first-class Cash Pharmacies, N.W. and S.W. districts; good Dispensers, smart Countermen, and a knowledge of Photography preferred; salary and commission. Apply first instance, with photo, stating fullest particulars of experience, salary expected, &c., to H., Messrs. Hodgkinson & Co., 101 Whitecross Street, E.C.

WANTED, qualified Assistant, to manage Branch; member of Christian Church preferred. Apply, stating full particulars as to salary (indoors), age, and experience, and enclose photo, to 250/9, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

WANTED, for the Battersea Provident Dispensary, a Senior and Junior Dispenser; must have the Minor qualification or the Apothecaries' Dispensing Certificate; salaries £100 and £80 per year respectively. For particulars apply to Mr. Bilham, Battersea Provident Dispensary, 185 High Street, Battersea, S.W.

WANTED, qualified Manager, of gentlemanly appearance and address, for a Branch Store; also smart, energetic Assistant (qualified) as First Counterman; liberal salary and commission paid to good men. Apply, with photograph, stating full particulars to X. L. (251/37), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

WANTED, a smart, trustworthy Assistant; single; aged from 25 upwards; must have good reference for honesty and sobriety; it is for a shop in East End; hours 8 to 10, no Sunday work; salary £55 per annum (indoors). Apply, 252/24, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

WANTED, a good Assistant (Qualified preferred); indoors; hours light (including half-day holiday per week); must be active and obliging. Apply, stating age and usual particulars, to "Alpha" (252/3), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

WANTED, a Qualified Assistant; about 23 years of age. Apply to "A. Z.," care of Southall, Bros. & Barclay, Wholesale Druggists, Birmingham.

WHOLESALE.

DUBLIN.—Traveller, representing leading London firm of Chemists in Ireland, is anxious to obtain a second house who would pay part salary and expenses. "Chemicus," 26 Stephen's Green, N. Dublin.

COMMISSION.—Smart man, calling on Chemists, can hear of another Commission. 210/8, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

TRAVELLERS (Great Britain generally).—Arrangements are being made to pay few good men liberal commission to push as a side line well-known and phenomenally successful Speciality; applicants for particulars should state present line and district covered; this is a good thing and worth looking into; middling men need not write. Replies, strictly confidential, to "Speciality," Box 134, Sell's Offices, 167 Fleet Street, E.C.

TRAVELLER.—Required in October, by a firm of London Wholesale Druggists, a Gentleman to represent them in the Midland and Eastern Counties, and in part of Wales; the ground has been covered by them for many years, and their present representative is only retiring owing to the state of his health; no application will be entertained unless from a gentleman having a previous experience of travelling, and who is also well acquainted with the trade, and preference will be given to those having a connection in the district. Apply, stating full particulars as to age, experience, connection, salary, &c., to "Delta," c/o Messrs. Street & Co., 30 Cornhill, London, E.C.

SITUATIONS OPEN—*cont.*

WHOLESALE—continued.

TRAVELLER.—Wanted, an experienced Traveller for calling upon Medical men. Only experienced men need apply, with full particulars, to O., S. & Co., 14 Worship Street, E.C. All communications will be treated as strictly private and confidential.

WHOLESALE Drug Trade.—Required, a few Boys to make themselves useful in the warehouse. Apply, stating wages, &c., to 211/37. Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

WANTED, by a large wholesale firm, a first-rate Clerk and Cashier, with some knowledge of the drug trade. Reply, giving full particulars of age, experience, and salary required, to A. F. R., c/o T. Dixon's Advertising Offices, 16 Great Marlborough Street, W.

SITUATIONS WANTED

1s. for 12 words or less; 6d. for every 6 words beyond.

RETAIL.

JUNIOR; able to Extract. Warburton, Chapel Street, Leigh, Lancashire.

ASSISTANT; aged 25; good references. Hayward, 28 Alma Square, St. John's Wood.

LOCUM, or permanent; 32; London or country. Jones, 15 Hardy Street, Liverpool.

JUNIOR; 20; London preferred; time for study; disengaged. Harratt, Ibstock, Leicester.

DISPENSER to Doctor; aged 26; good references. A. Z., 26 Mosslea Road, Penge, S.E.

FRENCH Assistant (21) desires situation; speaks English. Barbin, 46 Ebury Street, S.W.

EVENING Work by an experienced Assistant. "Veritas," 6 Newington Green Road, Islington.

QUALIFIED; 26; good experience; in or outdoors. "Salol," 29 High Street, Windsor.

ASSISTANT; tall; 23; unqualified; 5 years' experience. Wood, Marine Cottage, Ventnor.

TEMPORARY, Partner, or view to succession; 35; good experience. H., 83 North Street, Leeds.

QUALIFIED; 23; tall; disengaged September 25. Glover, 57 Market Street, Ashby-de-la-Zouch.

LOCUM or permanency; qualified; married. Pollard, 19 Minford Gardens, West Kensington.

AS Assistant; unqualified; in or outdoors; disengaged. "Homo.," 2 Kingsmead Terrace, Bath.

ASSISTANT or Manager; aged 24; qualified; good references. H. K. Pryke, Braintree, Essex.

PART-TIME; Dispensing; London; 6 years' experience. White, 21 High Street, Sandown, I.W.

GOOD all-round quick trade (in or out), or as Locum; September 20. D., Pearce's, Chemist, Edmonton.

JUNIOR Assistant or Dispenser; 21½; good references; mixed business. Askham, Flockson, Wakefield.

BRANCH Manager; qualified; Registered Dentist; country preferred; well up. 83 Martin Street Stratford.

DISENGAGED 15th; Manager, permanent or temporary; undeniable references. S., 113 Lambeth Road, S.E.

ASSISTANT; 26; tall; experienced; disengaged September 29. Thomas, High Street, Market Drayton.

LOCUM or Permanent; disengaged; aged 29; good Extractor. "Extractor," 2 Horton Street, Lewisham.

PERMANENT or temporary; married, no incumbrance. Heald, Pharmaceutical Chemist, Exam., Sleaford.

DISPENSER; Locum or Branch Manager; qualified; experienced; disengaged. W. M., 25 Argyll Street, W.C.

PART-TIME; disengaged October 5; London preferred. "Minor," 3 Wellington Terrace, Church Road, Willesden.

LONDON.—Part-time with Chemist or Surgeon; aged 23; abstainer; outdoors preferred. Burnell, Appledore, Devon.

LOCUM, Manager, or Senior; abstainer; experienced; 30; Major qualification. Williams, 15 Hardy Street, Liverpool.

UNQUALIFIED; disengaged; good all-round Assistant; 38; single; abstainer. "Chemicus," 20 Chapel Street, Uxbridge.

AS Improver, with Chemist and Dentist, where plenty is to be learnt in Mechanical Dentistry. Acacia Leigh, Cobham, Surrey.

MANAGER; disengaged; qualified; good Prescriber and Extractor. Registered Dentist. L., 4 Harbour Street, Folkestone.

MINOR Student, 22, seeks evening engagement for about 9 months; London only. "Reliable," 31 London Road, Portsmouth.

DISPENSER to firm of Surgeons; age 24; experienced; excellent testimonials; disengaged. Morris, Emlyn House, Carnarvon.

JUNIOR; 21; just finished 3½ years' apprenticeship in good Dispensing business. H. Kendall, Weston-by-Welland, Market Harboro'.

SENIOR or Manager; qualified; good experience. F. C. (254/28), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

AS Junior, with time to attend lectures; Sheffield, Manchester, or Newcastle-on-Tyne. Rolfe, 53 St. Leonard's Road, Northampton.

STEADY young qualified Chemist, 22½, desires engagement in Store, with future promotion. Skinner, 34 Carlton Road, Boston, Lincs.

MANAGER (Branch) or Assistant; Extractor; 45; qualified; married. "Chemicus," 43 Leamington Terrace, Tong Road, Leeds.

LOCUM to September 29; after will undertake Proprietary-packing, or similar home work; experienced. "Bert," 7 Lawton Street, Crewe.

DISPENSER and Bookkeeper to Surgeon; quick, accurate, experienced; good references; aged 34. T. Woodman, Washington Road, Bridgwater.

VIEW to Partnership or succession; 35; single; all-round experience. "Lancs" (253/3), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

QUALIFIED; disengaged early in October till end of December. "Vox" (254/16), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

FRANCE.—Pharmaceutical Chemist, 24, desires situation in Paris or the Riviera; some knowledge of French. D. S., 223 Finchley Road, London, N.W.

AS Counterman; 7 years' first-class Store experience in Provinces and London; Yorkshire or North preferred. "Beta," 24 Freegrove Road, Holloway, N.

LOCUM or Manager; qualified; abstainer; highest references; open to book engagements after 18th of this month. Eversley, Schubert Road, Putney, S.W.

LOCUM, or Dispenser to Chemist, Surgeon, or Institution; qualified; first-class references; disengaged September 21st. F. G. Shrimpton, Grove Street, Oxford.

LOCUM or permanency; thoroughly experienced; well recommended; disengaged September 16. "Locum," 3 Clifton Grove, South Road, Erdington, Birmingham.

DISPENSER; disengaged; 21; long experience; excellent references; terms moderate; South Coast preferred. Weeks, 34 Sutherland Street, Pimlico, London.

SCOTCH Assistant; 22; 5 ft. 10 in.; with 18 months' London experience; good reference; time for study; London preferred. Macdonald, Seaview, Carnoustie, N.B.

MANAGER; excellent London and Store experience; Prescriber, Extractor; aged 39; qualified; married. A., 20 York Terrace, Millbrook, Southampton.

ASSISTANT; 5 ft. 8½ in.; 27 years; steady, competent, good Prescriber; satisfactory references; outdoors preferred. "Extractor," 23 High Street, Abingdon.

HOLIDAY Locum; retired Pharmaceutical Chemist desiring occasional occupation; abstainer; disengaged; references; Extractor. "Chemist," 45 New Walk, Leicester.

JUNIOR, just out of apprenticeship in first-class house, seeks re-engagement in or near Manchester; aged 18. 246/28, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

JUNIOR; 21; disengaged; Store, Photographic, Dispensing experience; whole or part-time; Liverpool preferred. Morgan, 18 Normanby Street, Liverpool.

MR. VENABLES, Chemist, Gorleston, Great Yarmouth, wishes to recommend his late Assistant, as Junior; good Salesman and Dispenser; can be thoroughly recommended.

DRUG STORES.—As Senior; 35; qualified; outdoors; first-class all-round experience; country preferred. Address, 250/30, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

ASSISTANT; unqualified; 23; 8 years' experience; good references; Norwich or district preferred. "Salol" (254/17), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

MANAGER or Senior Assistant for Branch; qualified; aged 43; experienced; Manchester and Liverpool; reliable; outdoors; good references. Young, 7 Dorrington Place, Carlton Hill, Leeds.

ASSISTANT; aged 27; best references; good practical Dental experience; seeks engagement (outdoors), London. Address, 251/35, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

WANTED, Managership of select business, in or near London, with view to succession; highest-class London and provincial experience. 250/11, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

UNQUALIFIED Assistant seeks situation; about two hours daily required for lectures; salary no object; indoor; Glasgow preferred. 249/14, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

MANAGER, where qualified Junior is kept preferred; twenty years' London and provincial experience; sound references; knowledge of Dentistry. "Stocks," 133 Rosslyn Street, Aigburth Road, Liverpool.

ASSISTANT or Manager (outdoors); 25; Apothecaries'; 10 years' good London and country experience; excellent references; abstainer; disengaged. Evans, Bristol House, New Quay, Cardiganshire.

ASSISTANT or Manager; seven years' experience; 25; tall, gentlemanly appearance; Prescriber, Extractor; unexceptional references; London or suburbs only; disengaged. "Vigilans," Garman Bros., Roman Road, Bow.

DISPENSER, lady, Apothecaries' Hall qualification, good experience in Hospital and private practitioner's Dispensing, requires engagement for same. 210/5, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

ASSISTANT, aged 33, married, 16 years' good-class experience, 2 years in Store, knowledge of Photography and Extraction, unqualified, disengaged, seeks permanency. "Molar," 48 Sherbourne Road, Birmingham.

PART-TIME.—Advertiser desires responsible engagement for evenings and alternate Sunday duty if required, vicinity of Kennington Road; thoroughly experienced; aged 26. Wallace, 117 Paulet Road, Camberwell, S.E.

QUALIFIED; experienced; 45; Locum or Branch Manager; good Prescriber, Extractor; could invest, or purchase if satisfactory; excellent testimonials; last job 15 months. "Alive," 39 Somers Street, Southsea, Hants.

JUNIOR, London; aged 22; height 5 ft. 10 in.; first-class experience South Coast and West-end, London, seeks indoor berth, good house; facilities for attending Muter's; salary nominal. R. C. E., Messrs. King & Co., Bouverie Road, Folkestone.

MANAGER or Dispenser in London, or Locum anywhere; 28; qualified; varied experience; most obliging and thoroughly reliable; first-class references; disengaged in a week. 249/8, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

WHOLESALE.

AS Representative; London, Midland, and South-coast connection; excellent references. Pearson, 35 Gillingham Street, Victoria, S.W.

TRAVELLER; Drugs, Sundries; London; good connection and references; of good appearance and address. "Statim," 29 Ifield Road, S.W.

TOWN-TRAVELLER; experienced; good connection; Drugs, Sundries, Perfumery; highest references. "Push," 55 High Street, Colliers Wood, S.W.

WHOLESALE.—Young man wishes situation; London; Invoicing or Parcelling; 7 years' experience. Address, 10 Priscilla Villas, Grosvenor Road, Edmonton.

IRELAND.—Gentleman, already travelling principal towns, wishes to correspond with a good Wholesale Sundry house. Address, "Sundries," 83 and 85 Southampton Row, W.C.

QUALIFIED (aged 37), to represent a representative house; in North of England preferred. "Permanency" (251/39), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

MANAGER of a Branch business, or Representative to a good house by a Chemist who has just sold his business; London and country experience. M.P.S., Evans, Sons & Co., Liverpool.

TRAVELLER in Drugs, Sundries, or Specialities in Northern district; well recommended: 20 years' excellent character; good connection amongst Chemists. 252/2, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

GENTLEMAN, with City address and good connection, will be glad to hear from manufacturer requiring London Representative to call on Exporters, Wholesale Chemists, and Stores; good reference. Apply, 254/24, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

MISCELLANEOUS.

Special charges are made for Advertisements under this heading, which can be obtained on application.

A CHEMIST in business near London is prepared to undertake the making or packing of a Proprietary Article; excellent references. "Radix" (209/62), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

THE Business of a largely advertised and successful Proprietary Article is being privately converted into Limited Company; no shares will be publicly offered, but a few £1 can be allotted to the trade, on which a minimum dividend of 10 per cent. is guaranteed. Write, S. J. Hawke, 8 Streatham Hill, S.W.

A BARGAIN.—To those about to commence business.—The entire stock, small and saleable, with all mahogany fittings, bottles, jars, show-cases, counters, &c., &c., of a Retail Chemist's business in Warwickshire; may be seen now as a going concern; reason for disposal, end of lease; condition good; no agents. Apply, firstly, to "Radix" (253/24), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

MAHOGANY Side Fitting, 12 ft. long, drawers, shelves, &c., £13; 6-ft. Dispensing-screen, plate-glass, £6 10*s.*; Counters, mahogany top, 7*s.* 6*d.* foot run; deal-stained top, 5*s*; ebonised bent-plate case, 3 ft. 8 in. long, 40*s.*, 30-in. bent case, 15*s.*; counter-drawers, 2 ft. nest, 6 drawers, 25*s.*; white-metal counter-case, 5 ft. long, 90*s.*; upright metal dental case, 40*s.*; plate-glass shelves for window, about 5 in. wide, 3*d.* per foot run. Treble, Complete Shopfitters, Rectory Works, Jenner Road, Stoke Newington, London, N.

CHEMISTS' Shop-fixtures.—Ranges mahogany drawers, with bevelled-edge glass labels and cut-glass knobs, shelving above, lockers below; mahogany dispensing-screens; counters with glass-case fronts; wall-cases; bent-front and flat-top counter-cases; counter-desks; tooth-brush cases; complete shop-rounds, &c.; every requisite for Chemists, new and second-hand; extensive stock to select from, at extremely low prices; practical men sent to all parts; estimates free. Matthews, Chemists' Fitter, 14 Manchester Street, Liverpool.

CHEMISTS' Shop-fittings.—Bright, cheap lot ready for immediate use; 12-ft. run of mahogany-fronted drawers, glass labels and knobs, shelving, lockers, and cornice complete; 12-ft. mahogany and plate-glass serving-counter; handsome 6 ft. dispensing-screen, with bevelled-edged mirror in centre, and counter under with sponge-case; 6-ft. mahogany and glass wall-case, desk and perfumery-case with mirror-back; bent plate-glass counter-case with display and serving shelves; price £52 10*s.* the lot. Philip Josephs, 54 Old Street, City Road, London, E.C.

CUCUMBER AND GLYCERINE.

ROUSE'S Cucumber Paste is the best for preparing Cucumber Emulsion. Formulæ and labels free with each jar; ½ lb. (for 3 lbs. emulsion), 2*s.* 3*d.*; 1 lb., 4*s.* 3*d.*; 7 lbs., 25*s.*, post free. Rouse, 61 Charlotte Street, London, W.

N.B.—Cucumbers actually enter into the composition of this article.

PRELIMINARY AND MINOR.

STUDENTS! Write to-day for a "Guide to Examination," gratis and post free, giving the best advice how to prepare. Knotty Points in Latin Grammar, 1*s.* 6*d.*; Cæsar Simplified, 1*s.*; Metric System Simplified, 1*s.*; How to Write an Essay, 3*d.*; Equations Simplified, 1*s.*; Notes on Dispensing, 1*s.*, post free. Mr. J. Tully (Hills Prizeman), Chemist, Hastings.

EXCHANGE COLUMN-BARGAINS

TERMS.

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A nearly new Barnett & Foster's "Compactum" soda-water machine plant in itself; includes turnover and syphon-fillers, and package; cost over £50, price only £32; also about 12 yards 2-in. shafting, with pulleys, couplings, &c., &c., all complete and never used; cost over £20, price only £12. Apply, NORFOLK SPA CO., Diss.

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DRUGS AND CHEMICALS.

Offers wanted.—2 25-oz. bottles Macfarlane's morph. hydrochlor. GRIMBLE & KENT, Boston.

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Slate cistern (Welsh), 41 in. by 26 in. by 19 in. deep, with tap and overflow-pipe; nearly new; what offers? 253/18, Office of the *C. & D.*

Soda-water Trolley; a boy of eight can easily convey 3 dozen syphons and cases any distance; 35*s.*, carriage paid. ARTHUR & CO., Cambridge.

Bottles, small, for 2*d.* perfumes, attractive shape and very cheap; also corks and cardboard cases; genuine bargains. COOPER'S, 24 Greek Street, London, W.

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Gerrard's "Materia Medica," latest edition; also "Pharmacy Law." HARE, c/o Foggitt, Thirsk.

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Perkin and Kipping's "Organic Chemistry," Thompson's "Electricity and Magnetism," Maisch's "Materia Medica," Green's "Botany," vol. ii.; latest editions; state lowest. TEALE, Rhyl.

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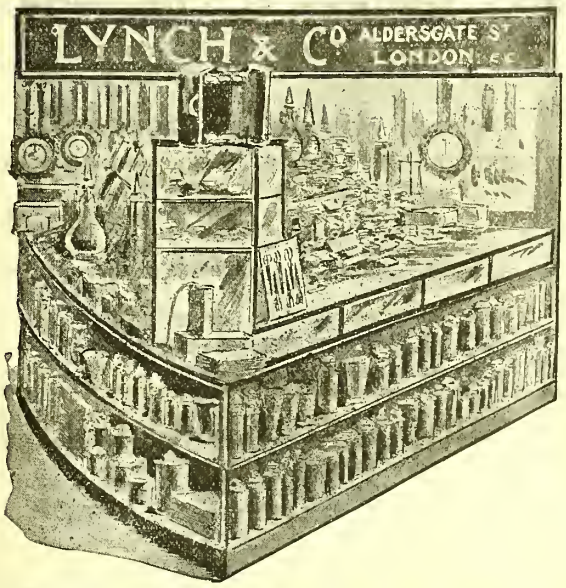
LYNCH & CO., LIMITED.

NOTICES.

From THE BRITISH AND COLONIAL DRUGGIST, 27th August, 1897, Vol. xxxii, No. 9.

LYNCH & CO., LIMITED, Aldersgate Street, London, E.C.

This was a remarkably varied exhibit, comprising so many articles for different uses that it is impossible to more thau describe a few of the principal ones and give a general idea of the arrangement of the stand. The most conspicuous part of the exhibit on one side was a large flat glass case, part of which was taken up by a fine display of silver-mounted goods, the mouetary value of which is represented by some £200. Among these, toilet bottles in all shapes, flasks, hair and hat brushes, hand mirrors, dressing-table trays, shoe "horus," bnttton hooks, and even a silver-mounted feeding bottle were included. Another part of the flat case contained xylouite goods, mostly of the tooth-brush class. A third part of the same case contained midwifery forceps, and as a conspicnous item an elegantly finished suppository monld (which turned out the snppositories in torpedo shape), and nteriue dilators. At one end of the flat case was an upright one, containing sterilisable cases of instrnments—snch, for instance, as those containiug anti-toxin syringes, and others which are used for operatious in which ssepticism is au important coudition. On the ontside of this case a crccodile case of iustrnments attracted much attention. The top of the flat case was sprinkled with a large assortment of powder boxes, feeding cnps, cut-glass bottles, sprays, manicure instruments, dental forceps, chatelaines, nnrses' wallets, and so forth. As side items there was noticeable a very cheap line in maximnm and miuimum thermometers, and very simple and convenient forms of dispensing scales and barometers. Under the foot of the stand stock lines of feeding bottles, narrow and wide-mouthed stoppered bottles, ordinary dispensing bottles, and such goods of every-day utility were collected.



Tnrniug to the other side of the stand, pnffs iu cases, bath gloves, pill machines, trnsses, and enemas were the leading lines, whilst, projecting from the recess beneath, mortars, funnels, and evaporating basins had a place. To be seeu from both sides—and therefore the least negligable item in the exhibit—was a glass catheter receptacle, in which the catheters hung suspended from the cover, being fitted into holes suitable to each size, and being sterilised by the vaponr rising from any volatile antiseptic placed at the bottom of the vessel. Scattered about the stand were three or four eminently workable and cheap forms of medical batteries.

Such are the main features of au exhibit which was completed by a very comprehensive collection of all the articles appertaiuing to the druggists' sundry business, and was remarkably up-to-date in the matter of price and design of goods.

Mr. H. Winter had charge of this stand, and alonig with him Mr. Jackson, oountry representative of the firm for 25 years, and Mr. Paddon, the town represeutative, looked after customers.

From THE CHEMIST AND DRUGGIST, 21st August, p. 905, Vol. li.

Lynch & Co. (Limited) have a position close to the entrauce, which they have utilised well for a varied display of druggists' sundries, specialties, and toilet-requisites. £200 worth of silver toilet goods (hair-brushes, mirrors, &c.) is one item, and chaste goods they are. Next we observed a selection of barometers and thermometers, an elegant £20 dressing-bag for a lady, a beautifnl basket of grapes made of a naphthalene compound (this for disinfection), Lynch's safety enema (still taking well and liked by medical men), camphor ice (2*s.* a dozen), a line of shaving-mugs, perfnmes, 6*d.* and 1*s.*, with sprinklers, and many other articles, saleable and usable, which druggists want. The wealth of the exhibit really induces the brevity of onr description of it, and we may say that those who have not seeu the goods may at any time see them in the firm's showrooms.

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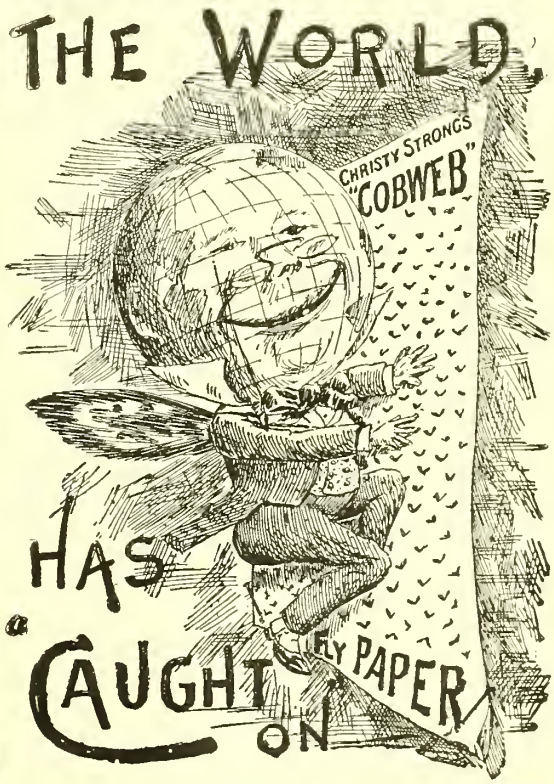

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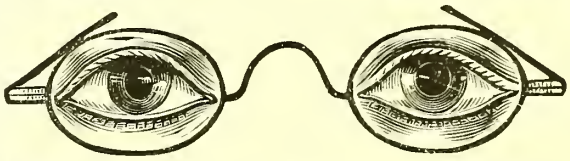

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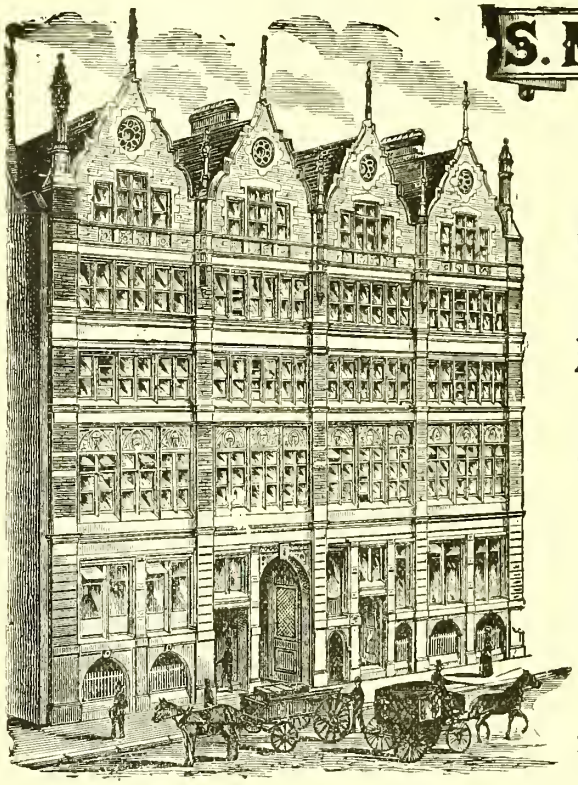

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S. MAW, SON & THOMPSON'S SPECIALITIES, Nº 1 REGD

Telephone Number, Bank 852. Telegraphic Address—CHEMICUS LONDON.

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Boulton, J., & Co., Lim.

ADVERTISING SPECIALITIES
Corsan, J. R. | Harris, J.

AERTD & MINRLS
Apollinaris Co.
Barnett & Foster
Bratby & Hinchliffe, Lim.
Chemists' Aerated Waters Association, Lim.
Ellis & Son (Ruthin)
Hertz & Collingwood
Hunyadi János
Idris & Co., Ld.
Ingram & Royle, Lim.
Jewsbury & Brown
Macfarlan, J. F., & Co
Mills & Co. (Bonrne)
Rosbach Springs, Lim.
Ross, W. A., & Sons, Lim.
Seltzogene Patent Charges Co.
Stevenson & Howell

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(See SYPHONS and ESSENCES)
Barnett & Foster
Bratby & Hinchliffe, Lim.
Tyler, Hayward, & Co.
Volcanic Aeration Co.

AGNCIES ABROAD
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Beynon & Co. | Boiss
Goegg, G.
Grande Pharmacie Finck
Kempthorne, Prosser & Co.
Lennon, G. B., & Co. [(N.Z.)
Peake, Allen & Co.
Smith & Sons
Taylor & Colledge

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Howards & Sons (Cinchona)
Macfarlan, J. F., & Co.
Smith, T. & H., & Co.

AMMONIA
May & Baker, Lim.
White, A., & Sons
Woolley, Sons & Co.

APPARATUS
Bennett, Sons & Shears
Berend, O., & Co.
Woolley, J., Sons & Co.

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Goodall, Backhouse & Co.

BATH SALTS
Tidman & Son, Lim. (Sea Salt)

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Bowdlear & Co.
Evans, Sons & Co.
Kemp & Son | Leonhard, T.
Lüneburger Wachsbleiche
Shearing, F., & Co.

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Brunner, Mond & Co., Lim.
Howards & Sons
May & Baker, Lim.

BIPALATINOIDS
Oppenheimer, Son & Co., Lim.

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Hewlett & Sons
Howards & Sons
May & Baker, Lim.
Tyrer, T., & Co.
White, Alfred, & Sons

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Gurney & Jackson
Murray, J.
Snow, Dr. H.
Southall Bros. & Barclay
Squire's "Companion"
Whittaker & Co.

BORAX
Howards & Sons

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Ayrton & Saunders
Evans, Sons & Co.
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Kilner Bros.
Patent Stopper, Box, and Stamping Co., Lim. (Tin)
Robinson & Sons
Rogers & Co.
Tinplate Decorating Co.

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Barnett & Foster
Barrett, R. H.
Bratby & Hinchliffe, Lim.
Breffits, Lim.
Gilbertson, H., & Sons
Hearn, Wright & Co.
Isaacs & Co. | Kilner Bros.
Lynch & Co., Lim.
Maw, S., Son & Thompson
Poths, H., & Co.
Stipendum Stopper Co., Lim.
Toogood, W. | Youldon, E
York Glass Co., Lim.

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Evans, Sons & Co.
Hovenden & Sons
Kent, G. B., & Sons

BUNSEN BURNRS
Berend & Co.

BUTTER COLR, &c.
Boulton, J., & Co., Lim.
Muller & Co.
Tomlinson & Hayward

CACHETS
Brager, L.
Christy, T., & Co.
Cooper & Co.
Saugers, J., & Sons

CACHOUS
Bleasdale & Co.
Carmichael, M. W.
Jackson, T.
Lloyd, T. H., & Co.
Ralmes & Co. | Sen-Sen Co.
Warrick Bros.

CAMPHOR
Howards & Sons
May & Baker, Lim.

CSCRA SAGRADA
Anderson & Co.
Duncan, Flockhart & Co.
Evans, Lescher & Webb
Ferris & Co.
Galen Manufacturing Co., Lim.
Harker, Stagg & Morgan
Parke, Davis & Co.

CAPSULES
Davies, Gibbins & Co.
Droege, Wm., & Co.
Duncan, Flockhart & Co.
Evans, Lescher & Webb
Hooper, B., & Co.
Lloyd, T. Howard, & Co.
Lofthouse & Saltmer
Warrick Bros.

CARBOLIC ACID
Stevenson, H. E., & Co.

CRBNIC ACID GAS
Carbonic Acid Gas Co.

CASTOR OIL
United British Castor Oil Co., Lim.

CERESINE WAX
Boehm, Fredk.
Shearing, F., & Co.

CHALK, PRECIP.
Levermore, Aug., & Co.

CHEMICALS
Boehm, Fredk.
Boehringer, C. F., & Sohne
Boulton, J., & Co., Lim.
Brunner, Mond & Co., Lim.
Davy, Hill & Son, Yates & Hicks
Evans, Lescher & Webb
Evans, Sons & Co.
Farbenfabriken (Bayer & Co.)
Goodall, Backhouse & Co.
Howards & Sons (Pharm.)
Lofthouse & Saltmer
Macfarlan, J. F., & Co.
May & Baker, Lim.
Norrenberg & Co.
Oppenheimer, Son & Co.
Poppelreuter, W.
Reitmeyer & Co.
Sanitas Co., Lim.
Scottish Acid & Alkali Co., Ld.
Shearing, F., & Co.
Smith, T. & H., & Co.
Stevenson, H. E., & Co.
Tyrer, T., & Co.
Washington Chemical Co.
White, A., & Sons
Zimmermann A. & M.

CHECK TILLS
O'Brien, T.
Stokes, G. R., & Co., Lim.

CHEST PROTCTRS
Liverpool Patent Lint Co.
Lynch & Co., Lim.
Maw, S., Son & Thompson
Newbery, F., & Sons
Schutze & Co.
Solport Bros.
Wood, Vincent

CHLOR. OF LIME
Government Sanitary Co.
Hebden, W. C.
National Chemical Co.
Steele, J. C., & Co.

CHLORODYNE
Davenport (Browne's)

CHLOROFORM
Duncan, Flockhart
Macfarlan, J. F., & Co.
Smith, T. & H., & Co.

COCAINE-HYDRO.
Howards & Sons

COCA WINE
Burrough, J.
Evans, Lescher & Webb
French Hygienic Soc
Harker, Stagg & Morgan
Holloway, E. A.
Kemp & Son
Lorimer & Co.
Stephen Smith & Co., Lim. (Hall's)
White, S. B.
Wilcox & Co.

COCOA & CHOCOLT
Cadbury Bros.
Caffyn's Malto-Carnis (Bovril Lim.)
Fry & Sons
Van Houten
Vi-Cocoa (Dr. Tibble's)

COLLAPSIBLE TUBES
Marshalls, Lim.
Moise, B. F., Lim.

COD-LIVER OIL
Allen & Hanbnrys
Burronghs, Wellcome & Co.
Cnthbert, R.
Davies, Gibbins & Co.
Evans, Lescher & Webb
Evans, Sons & Co.
Freudenthill & Co.
Harker, Stagg & Morgan
Hill, A. S., & Son
Kemp & Son
Lofthouse & Saltmer
Lorimer & Co.
Moss, J., & Co
Morrison, R., & Co.
Oppenheimer, Son & Co., Lim.
Smith, T. & H., & Co.
Spratt's Patent (Dog Cakes)
Scott's Emulsion
Southall, Bros. & Barc ay
Stevenson, H. E., & Co.
Wright, Layman & Umney

COMP. MEDICINS
Allen & Hanburys
Burronghs, Wellcome & Co.
Davies, Gibbins & Co.
Hooper, B., & Co. | Leo & Co.
Lloyd, T. Howard, & Co.
Parke, Davis & Co.

CONCENT. LIQRS
Balss Bros., & Co.
Davies, Gibbins & Co.
Fletcher, Fletcher & Co.
Lloyd, T. Howard, & Co.
Oppenheimer, Son & Co.

CONFECTIONERY
Gibson & Sons
Guest, T., & Co. | Hillaby, J.

CORKS
Ringrose & Cobb

CORN CURES
Beetham & Son
Gardner, C. | Potter & Clarke

COTTON WOOL
Robinson & Sons (Absorbent)

CRSHD LINSEED
Evans, Gadd & Co.
Mumford, G. S.

CYDER
Symons, J., & Co., Lim.

DENTIFRICES, &c.
Beecham, T.
Brounley, H., & Co.
Hovenden & Sons
Jewsbury & Brown
Stevens, P. A.
Sutton, O., & Co.
Woods, W. (Areca Nut)

DENTISTRY
Browning, A. J.
Fentiman, A. G
Fentiman & Co

"DIMATOS"
Southall Bros. & Barclay

DISINFECTANTS
Calvert, F. C., & Co.
Dnssek Bros.
Fletcher Bros. & Co.
Formalin Hygienic Co., Lim.
Government Sanitary Co.
Granville, A., & Co.
Hebden, W. C. | "Izal"
Jeyes'Sanitary Compounds Co.
Kay Bros., Lim
Kühn, B. (Chinoeol. Kresochine)
Mackey, Mackey & Co.
May & Baker, Lim.
National Chemical Co.
"Nestor" Sanitary Fluid Co.
Read, Holliday & Co.
Sanitas Co., Lim.
Steele, J. C., & Co.
Tuson's Disinfectants Co., Ld.
Tyrer, T., & Co.
United Alkali Co., Lim.

DOG MEDICINES
Lloyd, T. Howard
Spratt's Patent, Lim.

DRUGGISTS' SUN.
Ayrton & Saunders
Barclay & Sons, Lim.
Bentley, E., & Son
Bleasdale & Co., Lim.
Burge, Warren & Ridgley
Currie, Wm., & Co.
Dailley & Wilkinson
Cartwright, A. S.
Evans, Lescher & Webb
Evans, Sons & Co. (Savars)
Fordham, W. B., & Sons, Lim.
Hovenden & Sons
Kay Bros., Lim.
Marshalls, Lim.
Maw, S., Son & Thompson
May, Roberts & Co.
Moise, B. F., Lim.
Newbery, F., & Sone
Potter & Sacker
Quelch, H. C.
Sanger & Sons | Schutze & Co.
Southall Bros. & Barclay
Tidman & Son | Toogood, W.
Wood, Vincent

DRUGS
Allen, S., & Sons (Grinders)
Bleasdale & Co., Lim.
Davies, Gibbins & Co.
Dieterich, Eugen
Kuhn, B.
Lofthouse & Saltmer
Oppenheimer, Son & Co.
Phillips & Co. [(Grinders)
Poppelreuter, W.
Stevenson, H. E., & Co.
Wyley's, Lim.

DYES
Ayrton & Saunders
Maypole Soap Co., Lim.

EAU DE COLOGNE
Farina, J. M.
Greiner G. & Co.
Muhlens F. | Van Oppen & Co

ECZEMA
Cullwick's Specialities

ENGRAVERS
Corsan, J. R.

EMBROCATIONS
Bow's Liniment
Day & Sons
Elliman, Sons & Co.
Harvey & Co.
Tuson's Disinfectants Co., Ld.

ENEMAS
Evans, Sons & Co.
Currie, Wm., & Co.
Lynch & Co., Lim.
Sanger & Son | Wood, Vincent

ESSENCES
Boulton, J., & Co., Lim.
Bovril, Lim. (Beef)
Bratby & Hinchliffe, Lim.
Burgoyne, Burbidges & Co.
Bnsh, W. J., & Co.
Fletcher, Fletcher & Co.
Goodall, Backhouse & Co.
London Essence Co.
May & Baker, Lim.
Newball & Mason
Stevenson & Howell
Todd, A. M.
Tyrer, P. (Anchovies)
Woolley, Sons & Co.

ESSENTIAL OILS
Allen, S., & Sons
Blackwell, Hayes & Spilsbury
Boehm, Fredk.
Bush, W. J., & Co.
Evans, Sons & Co.
Frankenstein, S. M., & Co.
Jakson, J., & Co.
Jeancard, Gazan & Doumin
Lofthouse & Saltmer
London Essence Co.
May & Baker, Lim.
Poppelreuter, W.
Ransom, Wm., & Sons
Raynaud, Claude, & Co.
Sanitas Co., Lim.
Sozio & Andriolt
Spurway & Cie.
Stevenson, H. E., & Co.
Stevenson & Howell
Todd, A. M.
Tombarel Frères
Treatt, R. C. | Warrick Broe.
Wright, Layman & Umney

ETHER
Duncan, Flockhart & Co.
Howards & Sons
Macfarlan, J. F., & Co.
May & Baker, Lim.
Robbins, J., & Co.
Tyrer, T., & Co.
White, A., & Sons
Woolley, Sons & Co.
Wright, Layman & Umney

EUCALYPTUS OIL
Drysdale, J. W., & Co.
Sanitas Co., Lim.
Tasmanian Encalyptus Oil Co.

EXTRACT MEAT
Armonr & Co. | Brand & Co.
Liebig Co. | Liquor Carnis Co.

EXTRCTS, FLUID
Allen & Hanburys
Allen, G., & Co.
Bleasdale & Co., Lim
Bnrgoyne, Burbidges & Co
Davies, Gibbins & Co.
Evans, Sons & Co.
Fletcher, Fletcher & Co.
Hearon, Squire & Francis
Hooper, B., & Co.
Lloyd, T. Howard, & Co.
Moss & Co.
Parke, Davis & Co.
Potter & Clarke
Ransom, W., & Son
Wright, Layman & Umney

EXTRACTS, SOLID
Allen, G., & Co.
Ransom, W., & Son

FEEDG BOTTLES
Bnrronghs, Wellcome & Co. (Thermo Safe)
Evans, Sons & Co.
Gilbertson, H., & Sons
Hearn, Wright & Co.
Hovenden & Sons
Kilner Bros.
Lynch & Co Lim.
Marriott, E., & Co.
Maw, S., Son & Thompson
May, Roberts & Co.
Youldon, F.

FILTERS
Berkfield Filter Co., Lim.
Mawson Filter Co.

FLY CATCHERS
Alabastine Co. (British), Lim
Bleasdale, Lim.
Ford, Shapland & Co.
Marshalls, Lim.
Maw, S., Son & Thompson
Strong, Christy
Tunbridge & Wright
Tyrer, P

FOOD (Infants'& Invalids')
Allen & Hanburys
Beanes & Co.
Benger's Food
Bovril, Lim. | Brand & Co.
Burgoyne, Burbidges & Co.
Goodall, Backhouse & Co.
Hawksley, T. (Steriliser)
Horlick & Co
Irving, Son & Jones
Kydde & Co.
Lazenby & Son, Lim.
Liebig Co. | Lorimer & Co.
Marshalls, Lim.
Marvine, Lim.
Mellin's Food | Nestlé, H.
Savory & Moore | Tyrer, P.
Vi-Cocoa (Dr. Tibbles)

GELATINES
Boehm, F.
Frankenstein, S. M., & Co.

GINGER ALE
Bratby & Hinchliffe, Lim.
Chemists' Aérated & Mineral Water Association, Lim.
Ellis & Son | Hay, W., Lim.
Mills. R. M., & Co.

GLUE
Brauer, A.
Frankenstein, S. M., & Co.

GLYCERINE
Boehm, F. | Fink & Co.
Price's Candle Co., Lim.

GRANULAR PREP.
Bishop, A., & Sons
Boulton, J., & Co.
Davies, Gibbins & Co.
Evans, Gadd & Co.
Evans, Sons & Co.
Hearon, Squire & Francis
Lloyd, T. Howard & Co.
Lofthouse & Saltmer
Tyrer, T., & Co.
Wright, Layman & Umney

GUM
Fink & Co. (Arabic, &c.)

HAIR PREP.
Alexandre's Shadeine
Chesebrongh Co.
Edwards & Co.
Thiellay, E. H.

HERB BEER EXTS.
Adams, B.
Newball & Mason
Potter & Clarke

HOMŒOPATHIC
Keene & Ashwell
Leath & Ross
Watson & Wates

HYPOPHOSPHTES
Duncan, Flockhart & Co.
Fellows
Fletcher, Fletcher & Co.
Tyrer, T., & Co.

INHALERS
Burroughs, Wellcome & Co.
Krohne & Sesemann
Lynch & Co., Lim.
Sanitas Co., Lim.

INSECTICIDES
Barclay & Sons, Lim.
Bleasdale, Lim.
Fleming's Oil & Chemical Co., Lim.
Jackson, T.
Rudkin's Moth Bricks
Sandford & Son
Sanitas Co., Lim.
Tunbridge & Wright

JELLOIDS
Warrick Bros.

KETCHUP
Tyrer, P.

LARD
Ewen, J., & Sons

LAVENDR WATR
Jakson, J., & Co.

LINT
Bnrgoyne, Burbidges & Co.
Christy, T., & Co.
Liverpool Lint Co.
Maw, S., Son & Thompson
Newsomg, C.
Robinson & Sons

LIQUORICE
Evans, Sons & Co. (Savarini)
Frankenstein, S. M., & Co.
Hillaby, J.
Lorimer & Co.
"Solazzi"

LIQUORS
Blackwell, Hayes & Spilsbury
Davies, Gibbins & Co.
Fletcher, Fletcher & Co.
Lloyd, T. Howard, & Co.
Oppenheimer, Son & Co., Lim.
Stevenson, H. E., & Co.

LEECHES
Fitch & Nottingham

LOZENGES
Allen & Hanburys
Davies, Gibbins & Co.
Gibson, R., & Sons (Manfrs.)
Guest, T., & Co., Lim.
Kirby, H. & T., & Co., Lim.
Lorimer & Co.
Raimes & Co.
Warrick Bros.

LUNG PRESERVRS
Zimmer & Co.

MACHINERY
Bennett, Sons & Shears, Lim.
Gardner, W., & Sons
Melin, C. | Pindar, J. W.
Werner, Pfleiderer & Perkins, Lim.

MAGNESIA
Bleasdale, W., & Co.
Davies, Gibbins & Co.
Evans, Gadd & Co.
Evans, Sons & Co.
Henry, T. & W. (Calcined)
Lloyd, T. Howard, & Co.
Washington Chemical Co.

MALT EXTRCT, &c
Allen & Hanburys
Anderson & Co.
Blackwell, Hayes & Spilsbury
Burroughs, Wellcome & Co. (Kepler's)
Davies, Gibbins & Co.
Distillers' Co., Lim.
Evans, Gadd & Co.
English Diastasic Malt Extract Co., Lim.
Hearon, Squire & Francis
Lorimer & Co. | Moss, J., & Co.
Oppenheimer, Son & Co., Lim
Parke, Davis & Co.
Raimes & Co.
Raimes, Clark & Co.
Robinson & Co.

MARKING INKS
Bond (Daughter of the late John (Ink and Pencils)

MEDICINE CHSTS
Burronghs, Wellcome & Co.
Day, Son & Hewitt (Veterinary)
Day & Sons (Veterinary)

MENTHOL
Ayrton & Saunders
Evans, Lescher & Webb
Maw, S., Son & Thompson
Tyrer, P.

MERCURIALS
Howards & Sons
May & Baker, Lim.
Tyrer, T., & Co.

METH. SPIRTS, &c.
Boord & Son | Burrongh, J.
Jones & Co. | Phillips, G., & Co.
Smith, S., & Co.
Warren, A. & J.

METHYLENE
Robbins, J., & Co.

MICROSCOPES
Darton, F., & Co.

MILK
Hawkesley, T. (Sterilised)
Horlick & Co.
Nestlé, H. (Condensed)

MORPHIA
Beynon & Co.
Macfarlan, J. F., & Co.
Smith, T. & H., & Co.

OILS, &c.
Anglo American Drug Co.
Calvert Bros. & Co.
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Hooper, B., & Co. (Sandal Wood)

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Burroughs, Wellcome & Co. (Lanoline)
Chesebrough Co. (Vaseline)
Davies, Gibbins & Co.
Lloyd, T. Howard, & Co.
Stevenson, H. E., & Co.
Wilton & Co., Lim.

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Darton, F., & Co.
Raphael, J., & Co.

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Stevenson, H. E., & Co.

PALATINOIDS
Oppenheimer, Son & Co., Lim.

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Jackson, T.

PAT. MEDCNS, &c.
Anglo-American Drng Co., Ld.
Barclay & Sons, Lim.
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Bow's, Dr., Liniment
Clarke's Blood Mixture
"Daisy" Headache Powders
Edwards & Son
Evans, Lescher & Webb
Evans, Sons & Co.
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Holloway (Pills and Oint.)
Hovenden & Sons
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Newbery, F., & Sons
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Jewel Pen Co.

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Armour & Co.
Burronghs, Wellcome & Co.
Cerebos Limited (Pepsalia)
Kühn, B. (Papain Finkler)
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Oppenheimer, Son & Co.
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Bleasdale & Co.
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Brager, L.
Burgoyne, Burbidges & Co.
Bnrronghs, Wellcome & Co.
Bush, W. & J., & Co.
Carmichael, M. W.
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Sainsbury, S.
Sanitas Co., Lim.
Schntze, F., & Co.
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Woolley, Sons & Co. (Powder)
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Jakson, J., & Co.
Ransom, W., & Son
Stevenson & Howell
Todd, A. M.

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Robbins & Co.
Sanitas Co., Lim.
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Lofthouse & Saltmer
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Mackey, Mackey & Co.
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Oppenheimer, Son & Co., Lim
Parke, Davis & Co.
Potter & Clarke
Richards, J. M.
Roberts & Co.
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Squire & Sons
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Tyrer T., & Co.
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Willows, Francis & Butler
Woolley, Sons & Co.
Wyleys Lim.
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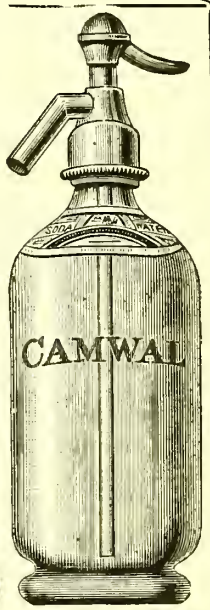

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Including two funnels and stopper for charging.
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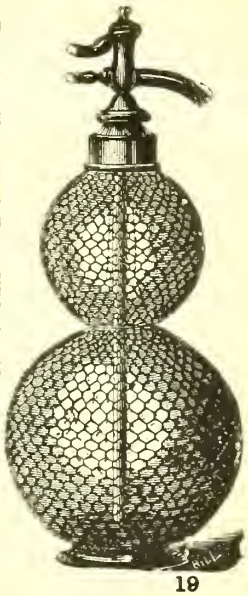

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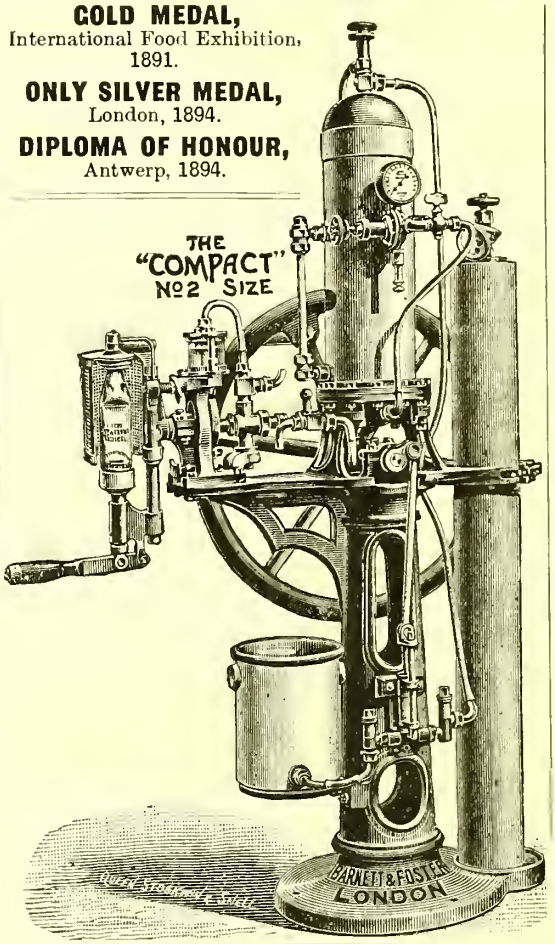
Antwerp, 1894.



No. 1 Size, complete with Turnover and Syphon-filling Machine, and fitted with fast and loose Pulleys for driving by Power. Code word *Supremacy*. **£60**

Two Fillers included.

Producing Capacity by Hand-power 600 dozen per day.

Ditto, by Power, 1,200 dozen per day.

No. 2 Size, complete with Turnover and Syphon-filling Machine. Code word *Royalist*. **£48**

Two Fillers included.

Producing Capacity by Hand-power 350 dozen per day.

Ditto by Power, 700 dozen per day.

No. 3 Size, complete with Turnover or Syphon-filling Machine. Code word *Retailer*. **£33**

Producing Capacity by Hand-power 200 dozen per day.

Syrup Pump fitted to the Turnover Filling-machine on either of above (*Injecto*) £2 extra. If fitted with one Filling-machine only, the two largest Machines are charged £3 less than above prices.

Sole Inventors and Manufacturers of the

"Niagara" Bottle and the London-made Syphon

KNOWN ALL OVER THE WORLD.

Illustrated Descriptive Catalogue of every requirement for the Mineral Water Trade on application.

Niagara Works, 26T EAGLE WHARF ROAD, LONDON, N.

Essential Oils

FLORAL EXTRACTS, CONCRETE ESSENTIAL OILS, POMADES, AND DISTILLED WATERS,

MANUFACTURED BY

F. VARALDI, CANNES.

ESTABLISHED 1858.

Specialties—Riviera Violet Extract, Ess. Oil Geranium, Pomades, and Almond Oil. [1]

SOLE AGENTS IN THE BRITISH ISLES:

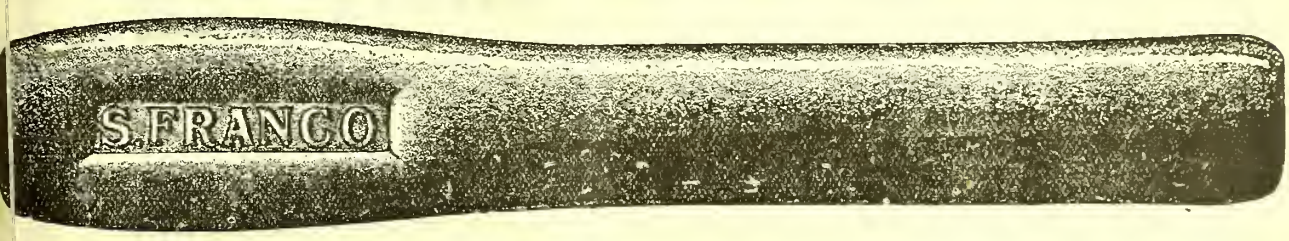
S. M. FRANKENSTEIN & CO.

Dashwood House, 9 New Broad Street, LONDON, E.C.

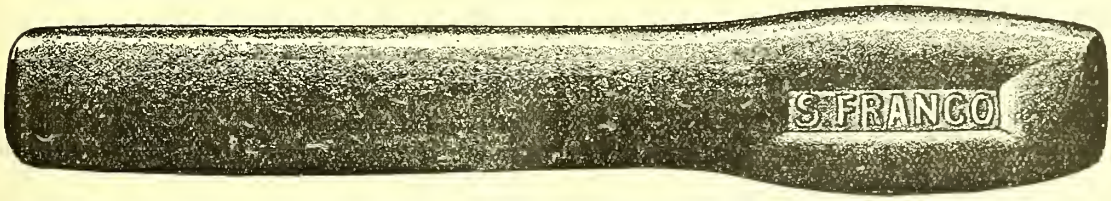
LIQUORICE JUICE IN STICKS.

FINEST ITALIAN.

GUARANTEED ABSOLUTELY PURE.



Sticks 4½ to the lb. and 8 to the lb. [4]



SOLE CONSIGNEES:

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Dashwood House, 9 New Broad Street, LONDON, E.C.

HALL'S WINE

SELLS READILY.

PROTECTED PROFIT 25%

Advertising matter free upon application to the proprietors—

STEPHEN SMITH & CO.

(LIMITED).

BOW, LONDON.

MARIANI WINE

MINIMUM RETAIL PRICE, ½ doz. Bots. for **20/-**, or **3/6** per single Bottle.

In original cases of 6 dozen, **£10 4s. 0d.** net cash,
with 3 per cent. discount off 6 case lots.

SANTAL MIDY.

MINIMUM RETAIL PRICE, **3/6** per Bottle.
MINIMUM WHOLESALE PRICE, **33/-** per dozen or part of dozen.
In 12 dozen lots, **£18** net cash.

WILCOX & CO., 83 Mortimer Street, LONDON, W.
GABRIEL JOZEAU, 49 Haymarket, LONDON, S.W.

BUYERS' GUIDE, pages 11-13.

CACHOU DE LUXE.

QUICKEST SELLING CACHOU EVER MADE.
SELLS AT TASTE!
18/- PER GROSS OF 3d. PACKETS.
PAY NO MORE.
Made to any Flavour in quantities.

From any Wholesale House; failing this write direct to
M. W. CARMICHAEL,
158 New Bond Street, LONDON, W. [1]

A 14 in. by 20½ in. Show Card, in 16 colours, given with each order of one dozen boxes of "Luxuria" Bath Tablets, or ½ gross "Cachou de Luxe."

SPURWAY & CIE.

Perfume Manufacturers,
CANNES-GRASSE, FRANCE.
ESTABLISHED 1820.
GOLD MEDALS—Philadelphia, 1876; Cannes-Grasse, 1893; Nice, 1884.

FRENCH ESSENTIAL OILS,

PURE OLIVE OILS, POMADES, &c.
SPECIALITY — Finest Quadruple Extracts of inimitable and lasting Fragrance.

London Branch—**184 SHAFTESBURY AVENUE, W.C.**

TERPENELESS OIL OF LEMON.
TERPENELESS OIL OF ORANGE.

30 times concentrated; the most soluble, best keeping Natural Oils extant! Save Alcohol!

DO NOT MISS THIS!

Henry Tetlow's "Ninety Day" Special Offer

ON

"SWAN DOWN" and "GOSSAMER."

(TO THE EUROPEAN TRADE ONLY.)

OFFER IS AS FOLLOWS:—

To every Retail Druggist purchasing at one time and for immediate shipment Seven (7) Dozen of **HENRY TETLOW'S** goods, comprised of the following assortment of Powders, namely:—"Swan Down," "Gossamer," and "Sachets," amounting to £1 12*s.* 9*d.*, **WE WILL GIVE** the "Outfit" as stated below. All orders should be sent to our European Agent, Mr. H. C. Quelch, No. 4 Ludgate Square, London, **positively** stating the name of Wholesale House you wish your order placed with, who in turn will fill same.

ORDERS SHOULD READ:—

Please place my order, as per your "Special Offer" in this week's issue of The Chemist and Druggist, through Messrs....., of your City, to be shipped with my next order to them. Assort goods as follows:—

3 Dozen Henry Tetlow's Swan Down Powder...	@ 3/9 doz.	
2 ,, ,, ,, Gossamer Powder	@ 7/3 ,,	
2 ,, ,, ,, Sachets Assorted	@ 3/6 ,,	
(Violet, Lilac, White Rose, Heliotrope).		

"SPECIAL OFFER."

ONE DOZEN Henry Tetlow's Swan Down Powder **FREE.**

ONE HANDSOME PICTURE. Your choice of two subjects namely:—"The American Girl." and "The Daughter of Herodias." These works of Art, are the Masterpieces of the World's Most Famous Artists, Mons. Champney and Mons. Constant, and are accurate reproductions of the originals, which recently took the "Prize" at the New York Art Exhibition. The pictures, size 20 by 24, are mounted in Solid Gilt mats, and are without doubt par-excellence to anything in the line of Show Cards that has ever been offered to the Trade.

TWO DOZEN Picture Forms, size 6 by 9, of a series of four floral designs, namely:—"Lilac," "Marguerites and Roses," "Pansies," and "Fleur-de-Lis" after the celebrated Mons. Henri Le Roy, whose fame as the most effective and skilful portrayer of flowers needs no mention These cabinets are mounted with Gilt edges, advertisement appearing on the back of card *only*.

ONE HUNDRED Combination Novelty Cards. (Fac-simile of the Gossamer box), which upon raising the lid, displays a beautiful picture, with a free sample of Gossamer powder enclosed.

ALSO One Large Gossamer Pictorial Banner.

The entire "Offer" as named above, will be shipped to every Retail Druggist purchasing (7) Dozen or more of HENRY TETLOW'S goods.

EUROPEAN AGENCY AND DEPOT FOR HENRY TETLOW OF PHILADELPHIA, U.S.A.,

H. C. QUELCH, No. 4 Ludgate Square, LONDON, E.C.

SOZIO AND ANDRIOLI,

ESTABLISHED A.D. 1757.
GRASSE (FRANCE).

NOUVELLE RÉCOLTE

ESSENCE DE NÉROLY.

POMMADES ROSE ET ORANGE.

EAUX DE ROSES ET DE FLEURS D'ORANGER.

NOUVELLE SPÉCIALITÉ.

EXTRAIT ROYAL AMBRÉ.

FRENCH PERFUMES

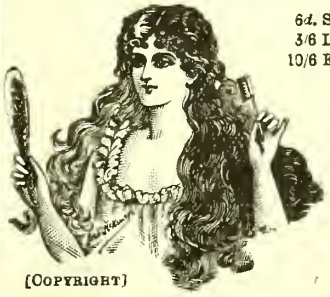
OUR WELL KNOWN AND VERY SUPERIOR COMPOSITIONS
STOCK KEPT IN LONDON.
Sole Agent MR FREDK BOEHM 15, JEWRY ST. LONDON. E.C

GUARANTEED TO CONTAIN ARSENIC.

SHADEINE.

For Colouring the Hair. Sold in 6 tints, one liquid.

6d. Sample size ..	..	4/- per doz.
3/6 Large " ..	..	28/- "
10/6 Extra " ..	..	84/- "


(COPYRIGHT)

SAMPLES Supplied to the Trade on pretty hanging Showcards at 4/- per doz.

☛ This Popular Article is Largely Advertised, and kept at all Wholesale Houses.

Agents Wanted.

ALEXANDRE, 30 WESTBOURNE GROVE, LONDON.

BRECKNELL'S PRIZE MEDAL.

Recommended by Eminent Medical Men.

SKIN SOAP.

Unscented, yet Sweet as a Rose.

Although low in price, it ranks with high-class soaps, and is altogether the best extant for producing a Clear and Healthy Skin.

☛ The longer it is kept the more it improves and increases in value.

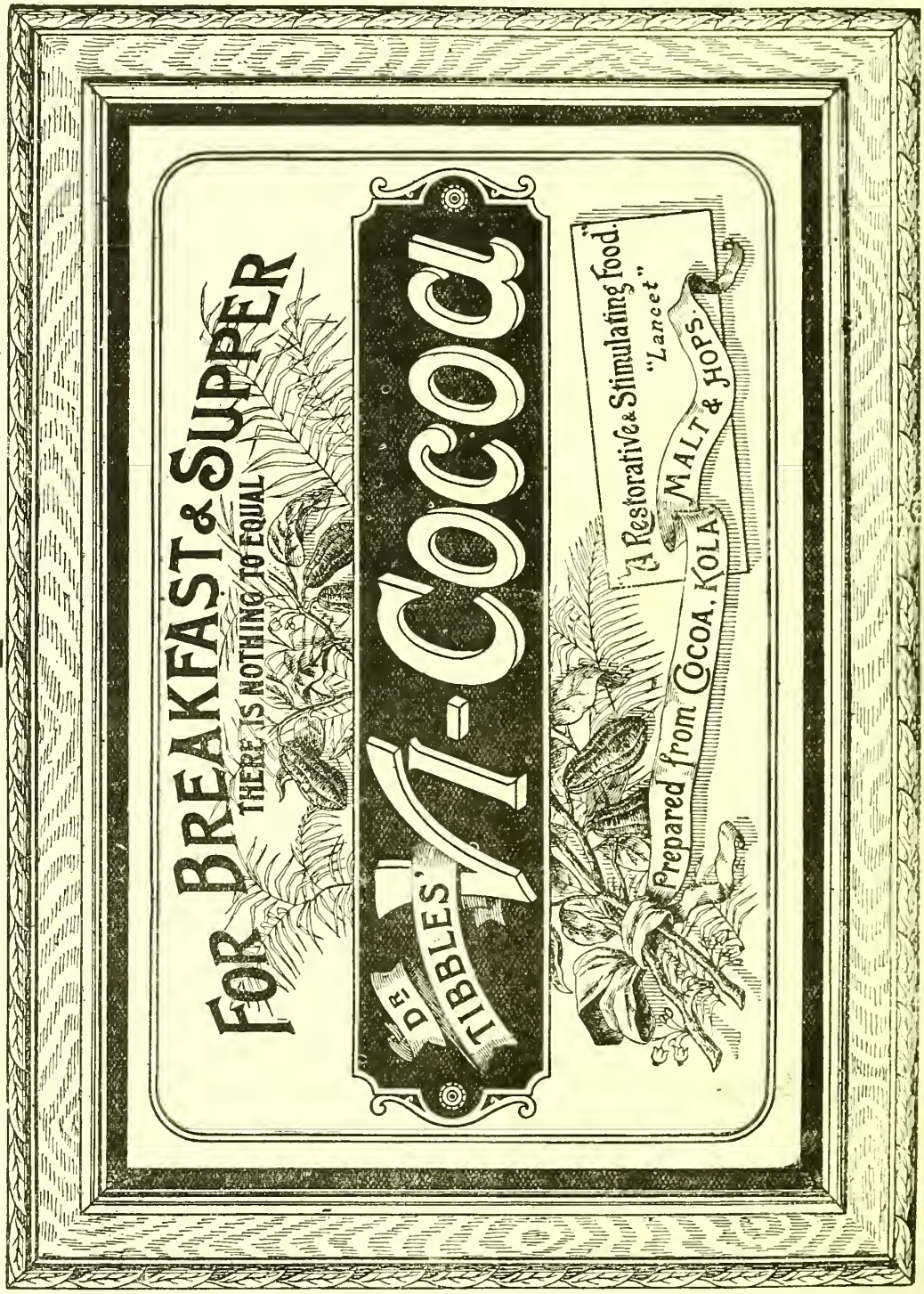
LIBERAL TERMS TO THE TRADE.

BRECKNELL, TURNER & SONS, LIMITED.
To Her Majesty, &c., &c.
31 HAYMARKET, LONDON.
ESTABLISHED 1862.

Have you received particulars of our Special Winter Advertising Offer to Customers?

REDUCED SKETCH OF FRAMED SHOWCARD No. 1.

(See Special Winter Advertising Offer, now being posted to the Trade.)



The original of this Engraving (size 21 in. by 29 in.) is printed in eight colours, and artistically framed. An ornament to any window or counter.

(See Special Winter Advertising Offer, now being posted to the Trade.) AVAILABLE UNTIL OCTOBER 1st, 1897.

If not, please write (a postcard will do) and a copy will be forwarded by return of post. Address—

DR. TIBBLES' Vi-Cocoa Ltd., 60, 61, & 62 Bunhill Row, LONDON, E.C. [1]

Write for Special Winter Advertising Offer.
Available until October 1st, 1897.

2

A Firm which introduces customers

to your establishment by widely advertising a preparation of recognised merit, and, at the same time,

Offers

A Profit

Of Nearly

20%

Deserves your co-operation and support.

THE inducements hereby offered to stock Dr. TIBBLES' VI-COCOA are exceptional, and are worthy of your consideration.

Dr. Tibbles' Vi-Cocoa, Ltd.,

60, 61, and 62 BUNHILL ROW,

LONDON, E.C.

Beer in Bottle.

WHITBREAD & CO.

(LIMITED.)

LONDON COOPER, STOUTS, AND ALES

IN IMPERIAL PINTS AND HALF-PINTS, CORKED OR SCREW-STOPPERED.

Carriage paid, One Ton Lots, by arrangement with Customer, in accordance with Locality and Carriage Rates.

CHIEF OFFICE AND STORES—

277 GRAY'S INN ROAD, LONDON, W.C.

DEPOTS—

Weston Street, London, W.C.
Britannia Street, London, W.C.
170 Lewisham Road, London, S.E.
Bell Brewery, Tottenham, N.
Stag Brewery, Enfield.
Dunger Place, New Southgate, N.
The Calls, Leeds.
The Arcade, Barnsley.
M. S. & L. Ry., Sheffield.
21 Great Charles Street, Curzon Hall Vaults, 42 High Street, Birmingham.
The Arches, Pall Mall, Liverpool.
M. S. & L. Ry., Store St., Manchester.
East Wharf, Cardiff.
The Arches, Orchard Street, Newcastle-on-Tyne.

ROBERT BAKER,

SOLE AGENT.

Armour's BEEF JUICE

Is prepared from only absolutely fresh and reliable raw material.

The Juice is procured by cold expression, and so contains in a soluble and active form all the albuminous principles of beef.

It is meeting with very ready demand by the Physicians, more especially on account of it being a "first rate" article at a reasonable selling price.

THE LANCET reports, May 22, 1897:—

"This Beef Juice is a powerful nutrient, since it contains not only the unaltered albumen of fresh uncooked beef, but also a definite proportion of easily assimilable peptones, as well as an important amount of the stimulating meat extractives. The flavour of the Juice is good and pleasantly 'beefy.' As a rapid restorative and nutrient it is clearly reliable."

We supply to all Pharmacists on application Circulars referring to Beef Juice, for distribution to Medical Men, containing full analytical reports; White Wrappers for Counter use; and attractive Show Cards.

ARMOUR'S PREPARATIONS ARE STOCKED BY LEADING WHOLESALE HOUSES.

ARMOUR & COMPANY (Chicago), London, S.E.

CONCENTRATED

PEPTONISED COCOA AND MILK

AND

CONCENTRATED PEPTONISED MILK.

These two preparations are made with pure rich PRE-DIGESTED Country Milk, and, by mere dilution with hot water afford a delicious restorative beverage, the assimilation of which requires no digestive effort.

SAVORY & MOORE, LONDON.

Tins, 2/6. Half-tins (samples), 1/6. Obtainable Everywhere.

TOWER TEA.

The Best and the Cheapest in the World at the Price.

In ¼, ½, and 1-lb. Packets only, to Retail at 1/-, 1/2, 1/4, 1/6, 1/7, 1/8, 1/10, 2/-, 2/4, 2/8 per lb. Also in Handsome 1-lb., 3-lb., and 5-lb Decorated Tins, to Retail at 1/10, 2/-, and 2/4 per lb.

Agents appointed by

TOWER TEA, LIMITED, 5 JEWRY STREET, LONDON, E.C.

PETER TYRER'S SAUCES

WORCESTER, READING, HARVIE, YORKSHIRE, AND "BOROUGH" KETCHUP.

SILVER MEDAL.

		Per gross.	Extra quality.
1d. Sample Bottles,	dozen parcels	5/3	6/3
" "	½-gross boxes	5/9	6/9
1d. Giant "	dozen parcels	6/6	8/6
" "	½-gross boxes	7/-	9/-

		Per gross.	Extra quality.
¼ Bottles, flat or round, reputed half-pints		16/-	26/-
½ " " " pints		26/-	38/-
1 Pint Imperial, round stoppered bottles		52/-	62/-
12½-Gallon Casks (*casks free*)	each	20/-	32/-

ROYAL CAFE SAUCE, a Rich Fruity and Exquisite Flavour.

Square Glass Stoppered Bottles, containing nearly ½-pint Imperial, 42/- per gross. Sample Bottles at 7/- per gross.

MANUFACTORY — 30 SOUTHALL PLACE, LONG LANE, BOROUGH, LONDON, S.E.

CHIEF SCOTCH AGENCY — West Nile Street, GLASGOW.

OVER 200 GOLD MEDALS AND DIPLOMAS.

FRY'S

Pure Concentrated

COCOA

None richer in flesh-forming and invigorating constituents.

SEASONABLE ARTICLES

All these articles are popular summer beverages, and are put up in suitable bottles attractively finished off.

LIME JUICE CORDIAL AND LEMON SQUASH.

Reputed Pints, per doz.—Cordial,	4/3.	Lemon Squash,	4/3.
" Quarts, " "	6/9	" "	6/9
Per Gallon .. .. "	2/-	" "	2/-

Also in Flat Flasks, Square Stoppered Bottles, and Handsome Decanters.

PURE WEST INDIA LIME JUICE (Filtered Bright). Per gall., 2/6.

GRANULAR EFFERVESCENT CITRATE OF MAGNESIA. Per cwt., 66/- and 74/-. Also in small Bottles.

EFFERVESCENT SUMMER SALINE. Per cwt., 85/-. 8-oz. bottles, 6/9; 16-oz. bottles, 12/- per dozen.

PERSIAN SHERBET (Lemon Kali). Per cwt., 33/- and 36/-. Also in 1 and 2 lb. Bottles and Tins.

Prepared under the superintendence of a duly qualified Analytical Chemist.

FULL PRICE LIST (ILLUSTRATED) ON APPLICATION.

CHAS. SOUTHWELL & CO., Dockhead, **LONDON, S.E.**

"THE LANCET" (July 3rd, 1897) on

VAN HOUTEN'S COCOA.

"In a recent analysis which we have "made, the results distinctly indicate the advantage of "VAN HOUTEN'S PROCESS of manufacture. Thus this "Cocoa yields a decoction containing a maximum "proportion of the valuable food constituents of the "bean, and what is of more importance still, these are "presented in a condition more easy of assimilation and "digestion than in Cocoa not so prepared."

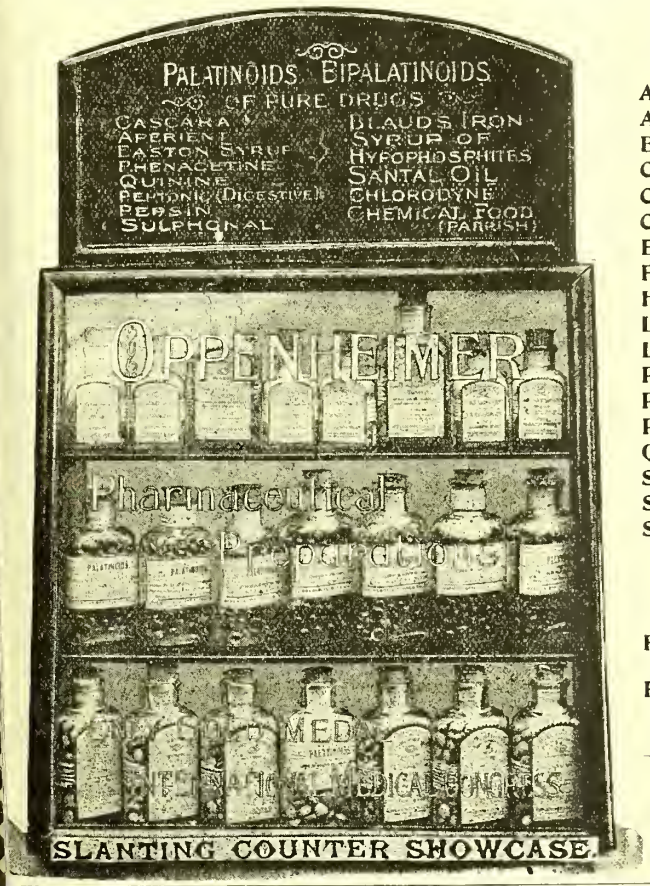
A Note to Chemists.

Do you want to increase your trade?

Then communicate with us, and we will send particulars of a scheme whereby you will be enabled to handle our products under specially advantageous terms. The list of our preparations includes only those products which necessitate a large expenditure of capital for laboratory plant and machinery, and consequently are beyond the scope of the retail pharmacist.

With your first order of £5 we supply a handsome Showcase, and also assist in creating a demand in your neighbourhood.

The following are a few simple drugs in everyday demand which can be obtained in Palatinoid form, and which, with the Showcase, form a handsome adjunct to the Counter :—



SELECTED LIST OF PALATINOIDS.

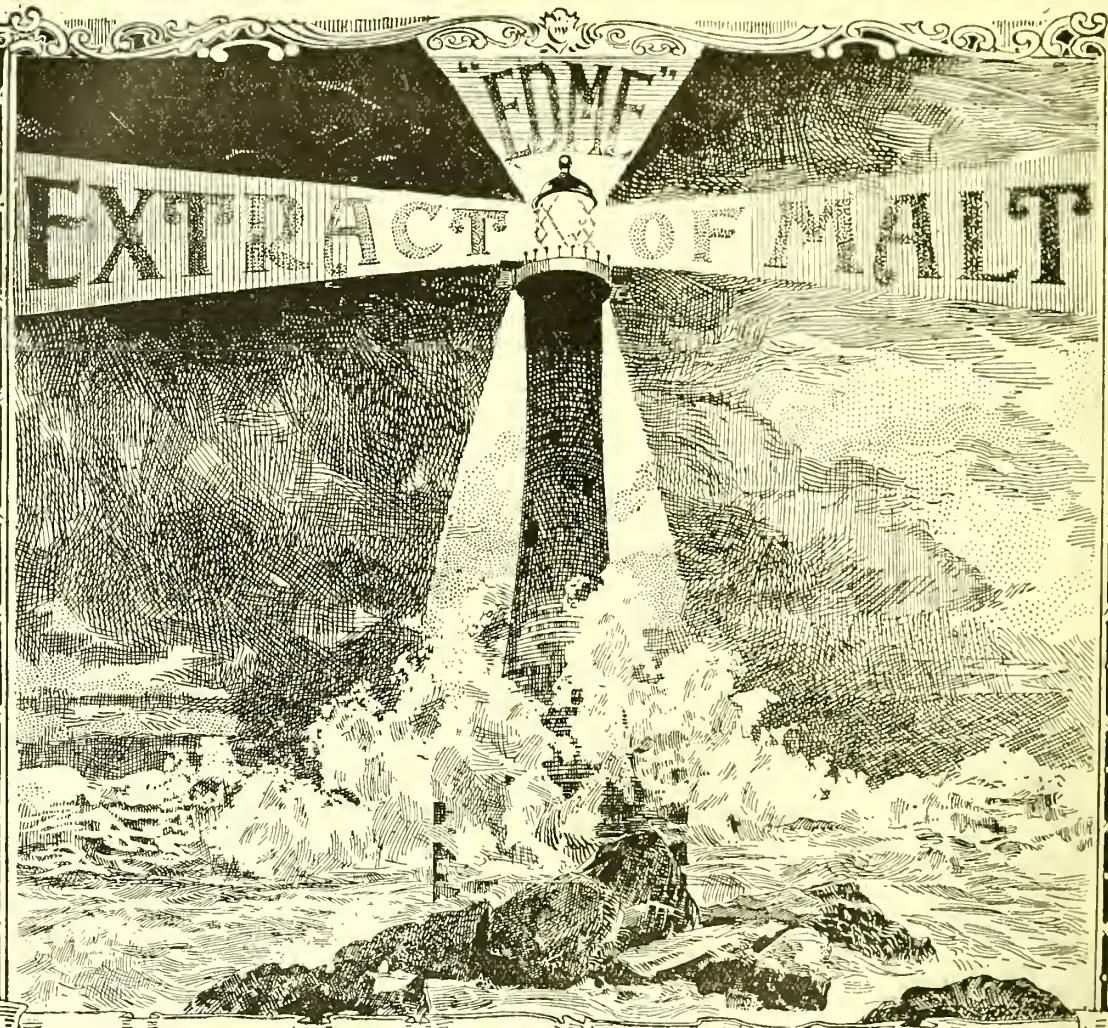
	Per doz. 1/- bottles	Per gross
Aperiens	8/6 ...	3/6
Apiol m. 3	— ...	4/6
Bismuth and Pepsin	8/6 ...	3/-
Cascara Comp.	8/6 ...	2/6
Chlorodyne m. 10...	9/- ...	3/6
Creasote m. ¼, ½, 1, 2, from ...	— ...	3/6
Easton's = ʒss. syrup	— ...	3/6
Ferrum Redact. grs. 2 and 5 ...	8/6 ...	2/3
Hydrarg. c. Creta grs. 2 ...	8/6 ...	2/-
Lapactic	— ...	3/-
Laxative	9/6 ...	4/-
Pepsin	8/6 ...	2/6
Peptonic	9/6 ...	3/6
Phenacetin grs. 5...	8/6 ...	3/-
Quinine, from	8/6 ...	2/-
Santal Co.	— ...	4/-
Soda Mint	8/6 ...	2/6
Sulphonal grs. 5	12/- ...	4/-

BIPALATINOIDS.

	Per doz. 1/- bottles	Per doz. 1-gross bottles
Ferrous Carbonate, equivalent to ½, 1, or 2 Blaud's Pills	8/6 ...	30/-
Ferrous Carbonate with **Arseniate** (Pill Blaud 1, Arseniate Soda grs. 1/32)	9/6 ...	42/-

Awarded ONLY GOLD MEDAL, XI. International Congress of Medicine, Rome.

OPPENHEIMER, SON & CO., LTD., MANUFACTURING CHEMISTS, **14 WORSHIP STREET, E.C.**



GUARANTEED HIGHEST DIASTASIC STRENGTH

EVER RELIABLE

HAS NEVER CRYSTALLIZED

HOLDS AN IMPREGNABLE POSITION

EDME MALT EXTRACT AND ALL COMBINATIONS.

THE LANCET says:—"This preparation proved to be a highly concentrated and active malt essence. It possesses a rich malty flavour, and acts POWERFULLY upon starch, CONVERTING IT RAPIDLY INTO MALTOSE. It is, therefore, well adapted for use as an aid to the digestion of starchy foods, whilst furnishing also important food constituents."

THE BRITISH MEDICAL JOURNAL says:—"It is of pale amber colour and good consistency. When tested with gelatinised starch it converted FIVE TIMES ITS OWN WEIGHT IN FIVE MINUTES at a temperature of 100° F. This result shows that the Extract has a VERY HIGH DIASTASIC POWER, and it therefore would be extremely efficacious as a medicinal agent where the use of an aid to the digestion of amylaceous food is indicated."

THE PHARMACEUTICAL JOURNAL says:—"This preparation is one which is not as well known to the retail chemist as some that could be mentioned, but examination of it shows that it POSSESSES CLAIMS WHICH ENTITLE IT TO EXTENDED PATRONAGE. The result of the test proves the Extract to be of UNUSUALLY HIGH DIASTASIC VALUE, and it is equally satisfactory in other respects."

THE ENGLISH DIASTASIC MALT EXTRACT CO., LTD.

Edme Works & Laboratories, Mistley, Essex.

MANAGING DIRECTORS—J. E. J. JOHNSON, F.I.C., F.C.S.; EGERTON S. FREE

London Offices—5 NEW LONDON ST., E.C.

TELEGRAMS—"EXTRACT MISTLEY." "BRITANICOS LONDON."

TELEPHONES—2096 AVENUE. 2 MANNINGTREE.

THE PROMPT PREPARATION OF SOLUTIONS.

SOLOID' BRAND COMPRESSED MEDICINAL and CHEMICAL SUBSTANCES render the prompt preparation of solutions for antiseptic or other purposes a matter of the greatest ease. Each 'soloid' is of an accurate, definitely stated weight, and dissolves readily, making a fresh, active solution of known strength. Thus one L.G.B. 'Soloid' dissolved in a pint of water makes the disinfectant solution recommended by the Local Government Board in the 1892 Memorandum, and sufficient for making 100 pints can be carried conveniently in the pocket. There is no danger as in carrying concentrated solutions, and a certain means of instantly preparing reliable solutions of definite strength is always at hand. The trade mark 'Soloid' indicates that this brand of fine products is manufactured by BURROUGHS, WELLCOME & Co.

Full particulars will be sent on application.

ABRIDGED LIST OF 'SOLOID' BRAND PRODUCTS.

Alum, 10 gr.
Alum Compound.
Alumnol, 4 gr.
Boric Acid, 6 gr.
Carbolic Acid, 5 gr.
Chinosol, 8·75 gr.
Cocaine Hydrochlorate, 1/2, 1 and 5 gr.
Eucaine Hydrochloride, 1 and 5 gr.
Iodic-Hydrarg, 1 and 8·75 gr.
Mercuric Chloride, 1/1000, 1·75 and 8·75 gr.
Silver Nitrate, 1 and 5 gr.
Sodium Biborate Compound.
Zinc Chloride, 1 and 5 gr.
Zinc Permanganate, 1/8 gr.
Zinc Sulphate, 1 and 10 gr.
Zinc Sulphocarbolate, 2 and 10 gr.
Zinc and Tannin Compound.

L. G. B.
Nasal, Alkaline.
Nasal, Alkaline and Antiseptic.
Nasal, Compound Eucalyptia.
Nasal, Compound Phenol.
Naso-Pharyngeal.
Potassium Permanganate, 5 gr.

BURROUGHS WELLCOME & Co.,
Snow Hill Buildings,
LONDON, E.C.
Australasian Address:
108, Pitt Street, SYDNEY, N.S.W.
London Cable and Telegraphic Address:
"BURCOME, LONDON."

G 15

The Trade is notified that "Vaseline" is an arbitrarily coined fancy word, and is registered as our Trade Mark, and can only be legally applied to goods manufactured by us.

CHESEBROUGH MANUFACTURING CO., HOLBORN VIADUCT, LONDON, E.C.

See page 103 *of* "*THE CHEMIST AND DRUGGIST*" *WINTER ISSUE.*

SEND FOR REDUCED PRICE LIST OF THE "VASELINE" PREPARATIONS.

Burgoyne's Australian Wines

SPECIAL JUBILEE PRICE LISTS OF AUSTRALIAN WINES for distribution by the Trade are in print. The names and addresses of any customers will be printed thereon on application.

For Prices and Particulars apply to – 5 DOWGATE HILL, LONDON, E.C.

PUBLISHED 1894.

Sixteenth Edition. Much Enlarged, and Revised up to date. Price 12s. 6d.

SQUIRE'S COMPANION

TO THE

BRITISH PHARMACOPŒIA.

"No man who has the faintest aspiration to be in the van of pharmaceutical progress can afford to ignore the claims this exact and comprehensive epitome of pharmaceutical information has to a place at his elbow."—*Chemist and Druggist*, March 24, 1894.

"As representing the actual condition of pharmaceutical practice in the United Kingdom, the work has, however, long since far out-grown the latest edition of the Pharmacopœia, to which it was originally intended to serve as a companion, and, as containing a store of valuable information, it may now be regarded as in many respects anticipating the next issue of that authority. Few statements as to which any doubt existed have been adopted without careful examination."—*Pharmaceutical Journal*, June 16, 1894.

"It is considerably ahead of the average text-books, and affords a valuable standard of reference to those who are anxious to keep pace with pharmaceutical advances, the allusions relating in many instances to current literature bearing the date of the present year."—*Lancet*, March 24, 1894.

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"The contents extend far beyond the limits of the Pharmacopœia, as a very large number of unofficial drugs and preparations are considered with the same care and minuteness as the others."—*British Medical Journal*, June 16, 1894.

London: J. & A. CHURCHILL, 7 Great Marlborough Street, W.

THE CHEMIST AND DRUGGIST

ESTABLISHED 1859.

Subscription: Fourpence a Week, Ten Shillings a Year. Summer and Winter Numbers, 1s. per Copy.

CHIEF OFFICES: 42 CANNON STREET, LONDON, E.C.

BRANCH OFFICES: 231 ELIZABETH STREET, MELBOURNE, AND 114A PITT STREET, SYDNEY.

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Abonnementspreis: The Chemist and Druggist einmal wöchentlich, und Notizkalender des Chemist and Druggist einmal im Jahre, **10 Mark** jährlich, frei in's Haus geliefert.

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THE CHEMIST AND DRUGGIST is supplied regularly to every member of the following Societies:—

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Chemists' and Druggists' Society of Ireland.
Pharmaceutical Chemists' and Apothecaries' Assistants' Association of Ireland.
South African Pharmaceutical Association.
Pharmaceutical Society of Natal.
Pharmaceutical Society of the South African Republic.
Central Pharmaceutical Association of N.Z.
Otago Pharmaceutical Association, N.Z.
Pharmaceutical Society of Queensland.
Pharmaceutical Society of South Australia.
Pharmaceutical Society of Tasmania.
Pharmaceutical Society of Western Australia.

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"C. & D." DIARY, 1898.

OUR Publisher wishes us to state that he is now booking orders for advertisements for next year's DIARY, which will be as big as this year's one, and as useful in every sense. As it speaks every day of the week for a whole year, and is used in pharmacies, offices, and warehouses in all parts of that realm upon which the sun never sets, advertising in it is the safest and best-paying investment going. As the allotment of shares—we mean pages—is in the order of application, we advise all interested to tell the Publisher what space they wish to be reserved.

SUMMARY

THE Johannesburg drug-theft case is now finished (p. 447).

WINE-LICENCES continue to be freely taken out by chemists (p. 444).

KEMP & CO. (LIMITED), of Bombay, pay 12 per cent. dividend (p. 452).

A LIMITED DRUG COMPANY at Rotherham has been fined for having unjust weights (p. 442).

L.C.C. CHEMISTS manipulated about 80 thousand million gallons of sewage last year (p. 442).

OLIVE-OIL is not a drug if bought at a grocer's, says the North London Magistrate (p. 468).

OPIUM-CULTURE seems to be a failure in Victoria. The sunflower is a success, however (p. 447).

HOW an up-country Cape druggist decorated his pharmacy on Jubilee Day is shown on p. 447.

FURTHER PARTICULARS about the degrees which Mr. Mendel was offering on easy terms are given on p. 457.

MR. SAMPSON ROWE, of Redruth, continues his medical practice and his conflicts with the local coroner (p. 442).

WHOLESALE HOUSES should note the paragraph on p. 443, which tells how a man is at large who is an adept at taking them in.

THE BRUSSELS EXPOSITION contains a number of exhibits which are interesting to the drug-trade—hence the notes on p. 462.

SHEFFIELD AND NOTTINGHAM CHEMISTS are continuing their endeavours for the education of the young of the craft (p. 443).

AN AUSTRALIAN CHEMIST puts forward good reasons why face-values should not be put on home specialities exported to our colonies (p. 469).

WE CONCLUDE our series of articles on pharmaceutical reciprocity, with suggestions for a beginning which may be taken without legislation (p. 456).

A SUCCESSFUL MEETING of the American Pharmaceutical Association is reported on p. 448. An article on American State Association meetings appears on p. 453.

A CORRESPONDENT hints that there is a possibility of a university degree for pharmacists being obtained if the pharmaceutical societies move in the matter (p. 469).

THE BOARD OF TRADE are asking Chambers of Commerce for suggestions of new steps to be taken by Government departments for the benefit of British trade (p. 460).

BUSINESS this week in the drug and chemical markets has been quiet, though there is a good undercurrent of trade, and manufacturing chemists are particularly busy (p. 465).

THREE fires on druggists' premises, two at chemical-works, and one at a perfumery establishment in Paris, where 5 litres of otto of rose were destroyed, are reported on pp. 443–6.

THE SELECT COMMITTEE on the Merchandise Marks Act have issued their report. The majority consider that the Act has been useful, but they suggest certain modifications (p. 460).

MR. LEO ATKINSON continues the discussion on the unqualified medical dispenser question (p. 469), and the *Medical Press* recognises the necessity for something being done (p. 457).

THE dispute in the Irish Pharmaceutical Council has been settled. Mr. Downes, Vice-President, withdraws his resignation, and Mr. Bernard withdraws his notice of motion to reopen the discussion (p. 449).

Local newspapers containing marked items of news interesting to the trade are always welcomed by the Editor.

The Chemists' Assistants' Association.

We are informed that this Association has left the temporary rooms which it occupied at 9 Queen Square, W.C., and is now established at 73 Newman Street, W.

Photographic Exhibition.

In connection with the opening of the Exhibition of the Royal Photographic Society on Monday, September 27, there will be a conversazione in the rooms of the Royal Society of Painters in Water Colours on the Saturday evening previous, when the President, the Right Hon. the Earl of Crawford, K.T., F.R.S., and Council will receive the Fellows, Members, and their friends. Exhibits intended for the exhibition have to be delivered at the Society's offices at 12 Hanover Square, W., not later than 9 P.M. on September 9.

International Vegetarian Congress.

The Vegetarian Federal Union have organised an International Congress, which will be held next week at the Memorial Hall, Farringdon Street. There will be meetings for reading papers on Tuesday, Wednesday, and Friday at 11 A.M., and an assembly on Thursday at the Crystal Palace at 6 30 P.M. In connection with the Congress an exhibition of vegetarian foods, &c., will be held at the Memorial Hall. This will be opened on Monday at 4 P.M. by Lady Gwendolen Herbert. The Secretary of the Union (Mr. Josiah Oldfield, M.A., B.C.L.) tells us he will be happy to forward tickets free of charge and full particulars to any *C. & D.* readers.

London County Council Sewage.

The annual report of the Main Drainage Committee of the London County Council just issued gives the following table, showing the quantities of crude sewage treated, chemicals used in precipitation, and sludge produced, as well as the quantity of refuse intercepted at the gratings at the outfall works at Barking and Crossness during the past year :—

Sewage treated	78,395,394,000 gals.
Lime used	20,334 tons
Proto-sulphate of iron used ...	4,718 tons
Sludge produced...	2,184,500 tons
Average per week	42,010 tons
Refuse intercepted at gratings...	4,594 tons

For the purpose of the precipitation-operations contracts were entered into during the year for the supply of 23,000 tons of lime at 11*s.* 7*d.* per ton, and 5,250 tons of proto-sulphate of iron at 21*s.* 3*d.* per ton.

Deficient Weights.

Messrs. J. Birch & Co. (Limited), chemists, &c., of Frederick Street, Rotherham, were summoned before the Rotherham Borough Justices on September 2 on a charge of having in their possession two unjust weights. P.-S. Berry, inspector of weights and measures, stated that he visited the defendants' shop on August 23. He found a 7-lb. scale-pan 1 oz. 11 dr. light, and behind the counter there was a 28-lb. weight 1 lb. 10 oz. 15 dr. deficient. Twenty-eight other weights were examined and found correct. Mr. Birch denied that the weights had been used for the purpose of trade. They had got on the premises with a lot of lumber, and had lay hidden beneath the counter until the morning of the inspector's visit, when the errand-boy, in the course of cleaning up, "fished" them out from beneath the counter. It was rarely a 7-lb. weight was used, and there was a proper one. There was no scale to accommodate a 28-lb. weight. He called the errand-boy. Mr. Hickmott (the presiding Magistrate) said the Bench would have imposed a fine of not less than 20*l.* if they had felt that the weights had been used for sale. The defendants had no right to have the weights in their possession, and for the offence a penalty of 20*s.* and costs would be imposed. Mr. Birch: I think it is most unjust. Mr. Rhodes (Magistrates' Clerk): That is for the Magistrates. I thoroughly agree with the decision. There is nothing to show that these weights could not be used if it was so wished. Mr. Birch: But we have not scales sufficiently large. Mr. Rhodes: That defence can always be raised.

Sampson Taylor Rowe Again.

The Redruth chemist, Mr. S. T. Rowe, who has figured several times before the Coroner of the district in consequence of the deaths of patients attended by him, appeared again as a witness at an inquest held at Redruth, on September 1, before Mr. Carlyon. The deceased was the illegitimate child of a married woman whose husband has been in America for three years. This baby was about a month old, and Mr. Rowe said it died from diarrhœa. The mother said five of her children had died before this one, including two stillborn and three which Mr. Rowe had attended. Mr. Rowe had advised the mother in the case of the last deceased to take the child to a doctor, but she said, "You have attended my children for twenty years, and I should like you to give it something," whereupon he sent some medicine, and when the child died he wrote the cause of death on a piece of paper, and told the mother to take it to the Registrar, and he could if he liked give a certificate. The piece of paper was not a certificate; it was information. There was a long wrangle between the Coroner and Mr. Rowe. The latter said he supplied the medicine "for the sake of humanity"; he did not charge for it. A juryman said, "Hear, hear," and the Coroner said the jury must not express dissent or approval. Mr. Rowe admitted to the Coroner that the Apothecaries' Society had taken proceedings against him, and that he had paid the penalty (20*l.*) demanded into court. The Coroner: Then you admitted you practised illegally? Witness: No; I did not. The Coroner: Why did you pay the fine, then? Witness: For this particular reason: it would have cost more money to fight than to pay the fine. (Laughter.) The Coroner: Then money is more to you than your honour. Witness: No; my honour is before the world. But when there is a dead set against me—— The Coroner: Why did you not fight to the bitter end? Witness: I have given you the answer. Had I been ten years younger I should have fought it had it cost me all I had. Dr. Pennewan gave evidence of the result of a *post-mortem* examination, and said the death was due to diarrhœa of some duration, and to congestion of the lungs. Improper feeding frequently caused infantile diarrhœa, and in cases of this sort it was a question of diet rather than of drugs. He should have told the mother to stop the use of bread and baked flour, as they were not at all suitable for a child that age. One of the bottles of medicine supplied by Mr. Rowe contained syrup of poppies, which he should certainly not have prescribed, although it was frequently used. In his opinion the giving of that medicine showed a want of medical knowledge. He should think himself culpable if he had sent the smallest quantity of opium to a child of that age until he had at least seen it and assured himself that its lungs were clear. The Coroner said he did not think the mother was criminally liable, although she acted in gross ignorance. If the mother was ignorant and death was accelerated by improper feeding, Mr. Rowe was in a large measure to blame, because, though he attended the child, he asked nothing about the food it was receiving. This man was a positive danger to society. In this case there was nothing criminal against him, but it had been shown by the evidence of a medical man that Rowe was ignorant of the necessities of the case, and if he continued to practise medicine illegally he would come to serious harm. Every suspicious case which in future he (the Coroner) came across in which Mr. Rowe acted as a medical man he should investigate with the greatest care and caution, and if he found death had been accelerated by his improper treatment, he should strongly advise the jury to bring in a verdict of murder or manslaughter against him. The jury returned a verdict of death from natural causes.

Mr. J. Jones, a juror, said it was hardly right that the Coroner should place reliance on the evidence of the woman who had this child, although her husband sent her money regularly from abroad, and appear to doubt the statements of Mr. Rowe, whom they knew.

The Coroner believed that those who read the whole of the case would not come to that conclusion.

When the fees were being paid, Mr. Rowe said he wanted a guinea, but the Coroner said he would not allow him more than 1*s*. Brief reflection prompted Mr. Rowe to the observation that he must accept the inevitable.

Warning to Wholesale Houses.

Three months ago we printed a paragraph regarding a man who by false representations had obtained small sums of money from several wholesale houses in London. He is still at large and at his old tricks, which he has carried on for at least a year. He has represented himself to be the son of a partner in some prominent provincial firm, but at present is passing himself off as "Mr. George Raimes," sometimes of Raimes, Clark & Co., Edinburgh, and at others of Raimes & Co., York. There is no Mr. George Raimes connected with either of these firms. The man's operations are of such a nature as to give much annoyance to the wholesale trade. He generally asks to see the principal or manager, and having introduced himself proceeds to give an order for goods. Being a man of good address and plausible manner, conversation soon becomes brisk. He tells how he is on a visit to London (he used to say "on a bicycle tour"), and that he has had his watch or sovereign-purse stolen, or in some other manner lets his hearer know that he is "on the rocks." He rarely asks for money, because the purses of those whom he addresses are generally opened before he gets that length. In one case in which he asked assistance he wrote a telegram—("Please send me on ten pounds. George.")—and got the firm to send it off to Raimes, Clark & Co., Edinburgh. He is resourceful, and has taken in people in half-a-dozen distinct branches of the trade, talking business with them and giving orders about which there was no suspicion until they were executed. The man looks like 40 years of age, is about 5 feet 9 inches high, fair-haired, clean shaven, and has blue eyes. He is dressed in a cheap brown tweed suit, which alone ought to show that he is not what he says. The detective department of New Scotland Yard have a warrant for his apprehension. Anyone will be doing the public a service who can put the police on his track. If there is an objection to having him arrested on the premises, someone should be deputed to follow him to any private address, which should afterwards be sent to the police. There cannot, however, be much risk in sending out for a policeman, if any man with the above story, or anything like it, comes in, for no honest man will fear inquiry.

Fires on Druggists' Premises.

On the morning of September 2 a fire broke out on the premises of the City Drug-stores, London Road, Liverpool. Although the flames were subdued within half an hour considerable damage was done, not only by the fire, but also by water, but the contents of the stores were comparatively uninjured.

Smoke was noticed late on Friday evening, September 3, rising from the cellar-grating of the shop of Messrs. T. E. Butler & Sons, chemists and druggists, 82 Belgrave Road, Leicester. The fire-brigade turned out very promptly, and got the fire under control after about twenty minutes' work. The damage was not serious, but so pungent were the fumes from broken bottles of drugs that the firemen found their task particularly difficult.

On the night of September 3 a fire broke out on the premises occupied by Mr. C. J. Wain, chemist, Red Lion Square, Newcastle-under-Lyme. The fire, which originated in some of the upper storerooms, did damage to the extent of 300*l*. or 400*l*. The staircase and all the upper storerooms were almost completely destroyed, and the whole of the stock in that part of the building was also destroyed. The loss is covered by insurance. The shop itself was not damaged.

Sudden Death in a Chemist's Shop.

A young man named Henry Wolz, a blade-cutler at Sheffield, was going along the Ecclesall Road on September 3 when he broke a blood-vessel. He managed to stumble into the shop of Mr. Percy Carr, chemist, where he sat down in a chair, but almost immediately fell to the floor in an unconscious condition. The only person in the shop at the time was Harry Hunter, an apprentice to Mr. Carr, who, after placing Wolz back in the chair, ran into the street and sent for Dr. Stokes, who lives a short distance lower down the road. The doctor, who came immediately, found that the man had broken a blood-vessel in his lungs. Nothing could be done for him, and he expired shortly afterwards. He had been suffering with disease of the lungs for some time.

The Pauper and the False Teeth.

In consequence of the publicity given to the case of a musician who had become an inmate of the Medway Workhouse because he was unable to follow his occupation through losing his front teeth, it was reported at the last meeting of the Guardians that the Macdonald Tooth-manufacturing Company, of London, had written offering to supply the man with a set of false teeth free, if the case was a really deserving one. The man had been discharged from the workhouse, but the Chairman undertook to give him a certificate if he applied for it.

Sheffield Pharmaceutical and Chemical Society.

The annual meeting of the members of the Sheffield Pharmaceutical Society has been fixed for Thursday, October 14. It will be held in the Masonic Hall, and Mr. Walter Hills, President of the Pharmaceutical Society of Great Britain, will give the inaugural address to the students in the School of Pharmacy, and attend the annual dinner, which will be held later in the evening. Arrangements have been made for opening the school connected with the Society the first week in October, and the syllabus includes lectures by Mr. Henry Highfield, pharmaceutical chemist, on "Theoretical and Practical Chemistry," and by Mr. John Austin on "Materia Medica and Botany." There is at present every prospect of the session being even more successful than the last—and that was one of the best the School has known. The students are encouraged by the prospect of gaining several prizes, including that given by Mr. G. T. W. Newsholme as a special herbarium prize. Mr. S. T. Rhoden, of 33 Church Street, is the Secretary of the School.

Notts Pharmaceutical Education.

Owing to the Secretary's absence from home, particulars of the pharmaceutical classes arranged by the Nottingham and Notts Chemists' Association did not reach us until our Educational number had been published. Mr. Eberlin now informs us that the session will begin at the University College on October 11, the course for this year comprising pharmaceutical chemistry (theoretical and practical), materia medica, and physics. The pharmaceutical chemistry course will consist of twenty experimentally illustrated lectures, delivered at the college by Mr. R. M. Caven, B.Sc., F.I.C., at 8 o'clock on Tuesday evenings, and three hours' laboratory practice per week. Fee, 15*s*. per term. This branch will occupy the first two terms of the session. In the third term lectures on elementary organic chemistry will be given at 8 o'clock on Thursday evenings, by J. J. Sudborough, D.Sc., Ph.D., F.I.C., commencing on March 27. Fee, 7*s* 6*d*. A course of about twenty-five lectures in materia medica will be given by Mr. C. Haydon White, M.R.C.S., on Thursday evenings, at 8 30, in the college, commencing on October 14. Fee, 15*s*. The course of lectures and laboratory-work in physics will be given in the third term on Tuesday evenings, at 8 o'clock. Fee, 5*s*. Tickets must be obtained at least one week before the commencement of the course from the Honorary Secretary, Mr Albert Eberlin, 2 Chapel Bar.

Deluged with Nitric Acid.

Henry Jones, 36, was employed in the chemical factory of Messrs. Robinson, at Bethnal Green. Recently, while he was setting down a pitcher of nitric acid on the floor, it slipped, and in trying to save it Jones fell against the tap of a tank of acid. The tap broke, and before he could save himself or be saved he received a deluge of the acid. He died from exhaustion in the London Hospital on Thursday, September 2, after great suffering. The jury, in returning a verdict of accidental death, discussed the question of the

tap, and a suggestion was made that such taps should be protected.

Petroleum Hair-wash Again.

Miss Nellie Day, a teacher in the village school at Dagenham, Essex, washed her hair with a petroleum hair-wash she had prepared according to the formula recommended by a weekly paper. It was a mixture of ordinary burning paraffin, bay rum, and oil. After washing her hair the girl stooped down to extinguish the candle. Her hair, though still wet, was not near the light, but the vapour of the hair-wash caught the flame, and in an instant was in a blaze. The mother rushed in, the flames were extinguished, and a doctor was sent for; but the girl was terribly burned about the face and head, all her hair was destroyed, and a younger sister, who attempted to put out the flames, was also seriously injured.

Drug-contracts.

The Sheffield Guardians have been advertising to ask chemists and druggists "within the Union" to state what discount they will allow from the wholesale drug and sundries list of Messrs. Evans, Lescher & Webb and Messrs. S. Maw, Son & Thompson respectively.

Wine and other Licences.

New wine-licences have been granted to the following chemists. For previous lists see the last two weeks:—

Mr. John Cliff, Redruth.
Mr. T. P. Garrett, Newport.
Mr. George Foggin, Bedlington.
Mr. A. F. H. Stephens, Camborne.
Mr. Harold C. Whitley, Warrington.
Mr. R. A. Metcalf, Fakenham, Norfolk.
Mr. C. Flint, 157 Sidwell Street, Exeter.
Mr. John Ernest Calkin, Salcombe, Devon.
Mr. G. S. Dean, 131A Spotland Road, Rochdale.
Mr. Francis Rose, 30 Harbour Street, Ramsgate.
Mr. Thomas Waddington, 30A Regent Road, Morecambe.
Mr. E. F. Stevens, Commercial Street, Camborne.
Mr. Sidney Phillips, 90 Lichfield Street, Wolverhampton.
Mr. H. S. Pearmund, 48 High Street, Tunbridge Wells.

An application was made at Padstow Licensing Sessions by Mr. Thomas Jas. Matcham, druggist, Padstow, for an off wine-licence. Mr. Dobell objected on behalf of the licence-holders of the town. Mr. Matcham said he wanted the licence because he was often asked for wines. His application was refused.

Mr. Joseph Jones, chemist and druggist, 322 Manchester Road, Great Lever, applied at the Bolton Licensing Sessions for a licence to sell beer to be consumed off the premises. It transpired that there was an off-licence next door to applicant's place of business, and that Mr. Jones had once owned that house and sold it to the present proprietor. The licence was refused.

In granting the licence to Mr. C. Flint, chemist, Exeter, Mr. J. Knapman (the presiding Magistrate, and a retired chemist) said he much regretted the necessity for these licences. However, the Bench had no alternative but to grant the licence.

Off-spirit licences have been granted to—

Mr. David Anthony, 110 Queen Street, Cardiff.

Mr. William Ernest Shuttlewood, Church Street, Malpas. He has held a wine-licence for several years.

A Chemist's Assistant's Oath.

At an inquest held at Wolverhampton on September 6, on a greengrocer who was believed to have died through drinking spirits of salts, Henry Butcher, assistant to Mr. Burnett, chemist, was called as a witness, and objected to take the oath. The Coroner: Are you a Quaker? Witness: I belong to the Church of England. The Coroner: Well, this is the Bible (raising the book). Witness: I do not believe in swearing upon a book, I understood the oath was abolished. He was thereupon allowed to affirm.

Another!

A curious exhibition is open just now at Marlborough Hall, an annexe of the Polytechnic Institute in Regent Street, London. It is called the "International Inventions Exhibition of Industry, Domestic Sanitation, Alimentation, Hygiene, and Dentistry." Some two hundred exhibits are on view, and all but seven of them have been made in Germany, or in Austria. The variety of the exhibits is bewildering. We, being attracted by the technical part of the title, were at sea amongst such things as No. 45, Wawrzyniec Romaniszyn, Lemberg, military coat; 46, Feliks Felinski, Lemberg, an overcoat; 47, Joseph Rylski, Lemberg, a fine cloth jacket; 48, Hans Urban, Vienna, a chemical and technical journal; 49, Johann Georg Vost, Hochstädt, fichtelgebing bitter, &c.; 50, Chr. V. Mende, Copenhagen, iron liquor; 52, Charles Erchin Lörrach, Baden, divers sport drawings, &c. The seven British exhibitors comprise a pastrycook and confectioner, an athletic outfitter, a safety window-sash and casement company, a dentist, the maker of a bicycle brake, an original oil painting, and an artificial-tooth factory. It had originally been intended that the exhibition should be one of dentistry only, but the dentists seem now to be so conceited with the idea that they are ranked amongst those who can be guilty of infamous conduct in a professional sense that they have stayed away.

Poisoned by Mandrake-berries.

A three-year-old child named Maud Newman was poisoned at Chatteris on Friday through eating the berries of the common mandrake, which she had picked thinking they were blackberries. She was seized with diarrhœa, and died from exhaustion the same night.

Permanganate of Potash or Condy's Fluid.

A discussion took place at the meeting of Rye (Sussex) Rural District Council on September 6 respecting the supply of disinfectants. The Rev. G. L. Bates said a cheap disinfectant could be supplied by purchasing permanganate of potash, a very small quantity of which would last for a long time. The Council agreed to purchase 6 oz. of permanganate of potash in place of Condy's fluid, and to issue tenders for the supply of the disinfectant.

Fire at Chemical-works.

A disastrous fire occurred last Tuesday night at the chemical-works of Messrs. Peyton & Sons, Lester Street and Oxygen Street, Birmingham. The firm manufacture saltpetre, vitriol, nitrate of soda, sulphate of copper, and many kinds of acids. Their works occupy a large area, running nearly the whole length of Oxygen Street, and branching off inwards in five rows of shopping for the manufacture of the chemicals. The fire raged principally in the department which contained the retorts and chemicals used in the manufacture of vitriol. The fire spread with alarming rapidity from one shop to another, and very soon the whole side of the premises facing Oxygen Street were ablaze. To make matters worse, the acids, although plentifully diluted with water, flowed about in streams, and were seen at some places to be gradually eating through the hose and into the firemen's boots, and a number of the men were affected by the fumes. After two hours' hard work the flames were checked. The roof of the Oxygen Street side of the building is completely destroyed. Mr. Peyton was on holiday, and at the time of writing the extent of the damage had not been ascertained, but it must be very considerable.

Supplying Chloral.

At an adjourned inquest held at Holywell, Flintshire, on September 6, the death of Thomas William McNamara (30) was inquired into. It had been stated in evidence that deceased was addicted to drink, and frequently complained of pains in the region of his heart. On the night of August 27 about midnight he called to his father, who went to his room. Deceased then asked his father to give him a medicine-bottle off the mantelpiece. He drank the contents, and was found dead in bed the next morning. The medicine was supplied to deceased by Mr. Samuel Jones, chemist, High Street, for whom Mr. J. B. Marston, solicitor, Mold, appeared. Mr. Jones was sworn and gave evidence. He stated that for a considerable time he had been in the habit of supplying deceased with sleeping-draughts. He formed an opinion that deceased was in a fair state of health, except that he was addicted to drinking, and he had

no knowledge otherwise. The draughts always contained 20 gr. of chloral hydrate and a like quantity of bromide of potassium. He believed he had given him two doses at a time on three occasions, but he always gave him instructions how to take them. On the evening preceding his death deceased came to his shop and handed him a 1*s.* postal order, stating that Father Beauclerk had sent him to ask him for four doses of the same medicine as he had had before. Seeing that deceased was perfectly sober he made up the medicine and gave it to him in the bottle produced, at the same time warning him as to the proper manner to take the doses, and deceased replied that he knew well how to take it. In reply to the Coroner, Mr. Jones said he considered he could use his discretion as to whether he should serve chloral or not. The Coroner was proceeding with a lengthy examination of the witness, when Mr. Marston exclaimed, "I do not think that is a fair way of asking questions, with the greatest deference to you. It is nothing else but a cross-examination from start to finish on behalf of some doctor at the back of it." The Coroner: I think that is very unjustifiable. Mr. Marston: That is the opinion I have formed. The Coroner: If you speak in that way I shall refuse to let you be heard at all. The insult to myself I do not mind, but it is an insult to the Court as well. I am not here to represent anyone but the Crown. ("Hear, hear," from the jury) In reply to Mr. Marston, Mr. Jones said it was Liebreich's chloral which he supplied to deceased, and he never supplied him with more than 20 gr. for one dose. Mr. Marston here quoted from "Taylor" that 120 gr. was a safe dose for adults, spread over twenty-four hours. Dr. C. E. Morris, of Holywell, who had attended deceased in October last, said he sent him to Dr. Glynn, of Liverpool, and as Dr. Glynn prescribed cold baths he gathered that he did not think his heart was diseased. He gave him paraldehyde for a sleeping-draught, because it had not the depressing effect on the heart which chloral had. He had made a *post-mortem* examination, and found the heart diseased. He thought, with his heart diseased as it was, the quantity of chloral taken was sufficient to cause death. Mr. Marston suggested that deceased died from nocturnal epilepsy. Dr. Morris said it was possible that might have been the case, but there were no symptons of it. He had no doubt deceased's death was due to the chloral. The jury found that deceased died from an overdose of chloral taken by misadventure, and suggested that greater restrictions should be placed on the sale of poisonous drugs.

Local newspapers containing marked items of news interesting to the trade are always welcomed by the Editor.

The New Examiner.

The Privy Council of Ireland have approved of the appointment of Mr. Meredith Rountree Whitla, of Monaghan, as an examiner under the Pharmacy Act in place of Mr. T. W. Robinson, whose term of office had expired.

Drug-contracts.

Mr. James Nethery, pharmaceutical chemist, Dungannon, has been appointed contractor for the supply of medicines to the Dungannon Board of Guardians.

Messrs. Leslie & Co., wholesale druggists, Bride Street, Dublin, have been appointed contractors to the Guardians of the North Dublin Union. The goods will amount to 39*l.* 6*s.* 6*d.* At a previous meeting of the Guardians Mr. McFarlane said that some contractors put certain articles so low that if they had contracts for those items alone they would lose money, and recouped themselves by putting high prices on other articles. To defeat that he moved that the Board take every item on its merits and accept the lowest tender for each individual item. Exception to this was taken on the ground that it would not be worth the while of houses to make tenders under such conditions, and eventually the motion was withdrawn, and one giving the Board the right to divide the contracts, if necessary, was substituted and adopted unanimously.

At a meeting last week of the Kanturk Guardians, Dr. Brown, Local Government Board inspector, drew attention to the excessive expenditure for medicines in the Newmarket dispensary district. He observed in this dispensary an item of 3*l.* 10*s.* for 14 lb. of tar-ointment, which could be got for 4*d.* or 5*d.* per lb., and he did not see why 5*s.* per lb. should be charged for it. The Board decided to thoroughly investigate the matter.

Fire

Last week a fire broke out in the establishment of Messrs. Fred Lewis & Co., perfumers and soap-manufacturers, Fleet Street, Dublin. The damage was confined to the back premises, and did not extend to Messrs. Hayes, Conyngham & Robinson's oil-store next door.

Serious Charge.

Daniel Nunan, general merchant and chemist and druggist, Charleville, has been remanded to the Petty Sessions on a charge of indecently assaulting a girl of 13 in his shop on August 21. His own bail of 100*l.* and sureties to the same amount were accepted.

Pluck Rewarded.

The bronze medal and certificate of the Royal Humane Society have been awarded to Mr. Albert William Enright, of Messrs. J. & G. Boyd & Co.'s, druggists, William Street, Limerick, for having, on July 30, saved Edward Moriarty from drowning while bathing in the Shannon. Mr. Enright went into the water fully clothed, and seizing the drowning man held him up until a lifebuoy was thrown, by the aid of which he managed to reach the bank. The water was 12 feet deep at the spot.

Caught Red-handed.

At the Dublin Police Court on September 1 Joseph Victory was charged with stealing a quantity of oil from a store belonging to Messrs. W. H. Bowers & Co., pharmaceutical chemists, 164 Great Brunswick Street. The accused was arrested close to the place, and the oil was found in his possession. "Two months' hard" was the Magistrate's antidote.

Local newspapers containing marked items of news interesting to the trade are always welcomed by the Editor.

Golf.

The Edinburgh Pharmacy Golf Club have arranged to hold their annual autumn competition at Dunbar on Monday, September 20. The club has been presented with four special prizes, to be played for on that occasion, and a good turn out is expected. All those who intend going should communicate with the Secretary before Friday of next week.

Last week the members of the Edinburgh District Chemists' Golf Club held their fourth competition for the "Gibson Handicap Medal" and golf balls over the Braids with the following results:—First, A. M. Stewart, 100 − 10 = 90; second, Wm. Swan, 101 − 5 = 96; J. C. Laird and Jas. Stott tied for third place with scratch scores of 98. The season's competitions will be brought to a close at Musselburgh on Monday, September 20, when prizes will be played for.

Aberdeen Pharmacy Classes.

In consequence of the resignation of Mr. Fraser as teacher of the classes promoted by the Aberdeen and North of

Scotland Society of Chemists and Druggists, the arrangements for the winter session have been delayed, but it is expected that particulars will be available next week.

River-pollution.

Mr. Martin Deehan, F.C.S., who at one time contributed papers freely to the British Pharmaceutical Conference in association with Mr. T. Maben, is now a bailie and a sanitary reformer. He took a leading part in the recent Sanitary Congress at Dundee, reading a paper on "River-pollution," in which he condemned the Rivers Pollution Prevention Act of 1876 out and out, and was supported in this by Mr. John Lindsay, interim police-clerk, Glasgow.

French News.

(From our Paris Correspondent.)

M. Truchet, pharmacist at St. Jean de Maurienne, has been created Chevalier of the Legion of Honour.

Five Litres of Otto of Rose was one of the items destroyed in a fire at Lentheric's perfumery-establishment, rue St. Honoré, the other day.

The Speciality Question.—The circular in favour of an agreement between pharmacists and the manufacturers of proprietary medicines has been favourably replied to by 570 of the thousand odd pharmacists in Paris, and more replies are expected after the holidays.

The Co-operative Iodine Society, which up to the present has not shown very brilliant results, announces that about half a ton of crude iodine (the monthly amount reckoned upon) was produced during July, and that it now hopes "very soon to execute the numerous orders received daily."

Red and White Wines.—M. Carles, the Bordeaux pharmacist who has made the wines of the district his special study, states that nowadays the red wines are purer than the white. The great demand for pale-coloured, sweet-tasting white wine has, he states, led the wine-growers to use sulphurous acid for making the red wine into white. The German and Swiss Customs authorities prohibit such practices, he says.

The Paris Hospitals.—Referring to the numerous accusations of maladministration recently formulated against the Assistance Publique, the *Temps* states that M. Peyron, director of the administration in question, has drawn up a draft project for the amelioration of this important service. Want of money, he declares, is the root of all the evil. It is stated that 1,000,000*l.*, roughly speaking, is necessary to put the metropolitan hospitals into proper repair, and another million to bring them up to date. Most of the buildings are literally falling to pieces.

The New Codex.—Progress is noted in the initial steps of the revision of the Codex. All the societies of pharmacy in France have been officially addressed in regard to (1) drugs which should be deleted, (2) drugs which should be introduced, (3) methods of preparing medicaments, and (4) methods of assay. Already several societies have sent in replies, and the French journals of pharmacy are devoting much of their space to them. Many curious suggestions are made, amongst them one to the effect that the Codex should contain full particulars for the sterilisation of surgical instruments.

Medicines and the Octroi.—The Pharmacie Centrale commenced law proceedings some time back to protest against the application of the city dues (octroi) to certain medicinal preparations upon their entry into Paris. The case has been carried up from the police court to the Court of Paris, and thence to the Court of Cassation. The Pharmacie Centrale has obtained a verdict from all three tribunals. The Court of Cassation (the final Court of Appeal) decides that apiol, gurjun balsam, and ol. animalis are not "essences and resins, but are exclusively medicinal products." Blistering-ointment, Burgundy pitch, plasters, and cerates, "although containing articles subject to city dues, have, by the combination with medical substances, lost their essential character, and become unsuitable for alimentary or industrial use." The Octroi has to pay costs and a fine.

A Drama in a Perfume-factory occurred last week in the rue Charles V., Paris. In January the business of Brigot & Cie. was purchased by M. Bouly for 1,200*l.*, and the new proprietor retained M. Charles Jacob (the vendor) as managing partner. The relations between the two became strained; Jacob accused Bouly of mismanagement when the latter complained that he had been deceived as to the real amount of business done, and refused to pay the balance of the purchase-money. The business dwindled; and M. Bouly resolved upon suicide. He had prepared a long statement of the financial and other reasons for his decision, and, armed with a revolver, was about to put an end to himself when M. Jacob entered his office. M. Bouly, after a violent discussion, fired thrice at M. Jacob, one of the bullets penetrating his cheek. The clerks rushed in, but not before M. Bouly had shot himself through the brain. M. Jacob is out of danger.

An Anti-cutting Pharmacien.—A few days ago a friend handed me a circular, which was wrapped round a bottle of cough-mixture purchased in a Paris West-end pharmacy. The circular is headed, in large black letters, "A Public Danger," and is addressed to "An intelligent public that cares for its dearest interests." "The pharmacien's profession," it says, "is undergoing a trial that menaces its very existence, and constitutes a grave peril for the public health. For some time past some shameless persons, who are only pharmacists in name, have been carrying on a traffic in drugs by more or less dishonest means. They do not stop at fraud so long as they can make a large profit. A fortune at any price is what they aim at, even at the risk of figuring at the police court or assizes." An ample list is given of substitutes for medicaments that are or can be made. The moral of the tale appears to be, "Avoid going to pharmacists who advertise; they are not honest. There are others who are fortunately more numerous, and who without bombast will supply excellent medicaments; go to them." The circular is signed "Dr. Dupony," but bears no address. The ending is very hysterical, and reads: "Mother, the health of your child is concerned. Husband, father, and son, the lives of the beings that are dearest to you are in question. Will you sacrifice them with a light heart to enrich a few scoundrels who laugh at you and dishonour a profession that is respectable amongst all?"

Australasian News.

[From "The Chemist and Druggist of Australasia" for August, copies of which can be obtained on application to the Publisher, 42 Cannon Street, London, E.C., price 6d.]

An Aliens Bill is now under consideration in Victoria which, if passed, will not allow of the registration as chemists there of any persons who are not born or naturalised British subjects.

The College of Pharmacy in Melbourne seems to be extending its scope. An arrangement has just been concluded for a recognised chemistry course in it for dentists, and there is also to be a class for public analysts.

The Pink-pill Case.—The Victoria Pharmacy Board's application for an appeal against the recent decision in the pink-pills case has been granted. The date of hearing was at first fixed for July 21, but was adjourned twice, and had not come on when the mail closed.

The Death is Reported in Victoria from fracture of the skull of Mr. Thomas George Ekins, son of the late Mr. Ekins, chemist and druggist, of Huntingdon. The deceased gentleman was in business as a druggist in England, but went out to Australia ten years ago.

The South Australian Deadlock.—The Pharmacy Board of South Australia have taken prompt steps to have the Pharmacy Bill amended, in consequence of the legal decisions that the Board have no power to enforce an annual

registration-fee. As they cannot get along without that they have seen the Chief Secretary of the Colony, and he has drafted a Bill which meets their views.

The Sulphur-industry at Rotorua, N.Z., is rapidly growing to some importance under the management of Messrs. L. D. Nathan & Co. They have about 200 Europeans and Maories employed in preparing it for export. The beds are situated at Tikitere, about ten miles from Rotorua. The sulpbur is dug out and put into bags and conveyed to Auckland and Sydney.

Stills in Tasmania.—The Treasurer of Tasmania recently informed chemists that he thought of doing away with the 10*s*. still-licence, and he followed this three weeks later with an intimation that he proposed charging a licence-fee of 50*l*. after this year because the tax is an expensive one to collect; but he reckoned without the working man, who in the shape of a deputation from the Friendly Societies visited him. Result: the still-licence will remain at 10*s*.

Tasmania wishes the Pharmacy Board of Victoria to reciprocate in the matter of pharmaceutical Preliminary examination certificates. Victoria is willing, for it finds that the Tasmania examination is a little better than its own. There is hesitation, however, on the ground that it is doubtful if the Pharmaceutical Society of Tasmania has any legal status or authority to conduct a Preliminary examination, that duty having been entrusted to the Medical Board. So say the Victoria people.

South Australian Pharmaceutical Society.—The annual meeting of this Society was held on July 13, under the presidency of Mr. White, who read the annual report, which showed that the Society is prosperous financially and otherwise. At the close of the meeting Mr. Geo. F. Birks presented the Society with a set of Fletcher's thermo-hydrometers. At the Council meeting held two days later Messrs. Harry Bickford and Luther Scammell were elected to fill two vacancies on the Council caused by the retirement of Messrs. Radcliffe and Porter.

Colouring Poisons.—Mr. W. F. Ward, Government Analyst of Tasmania, considers it most desirable that all poisons sold should be mixed with oxide of chromium, a bright green powder, which he considered would lessen the risk of accident, and make its felonious administration difficult, while the discovery of the chromium in the contents of the stomach would immediately arouse strong suspicion as to the occurrence of poisoning. This is exactly what Mr. A. H. Allen, of Sheffield, said ten years ago, but nobody seems to have taken to the idea.

The New Pharmacy Board of New South Wales will consist of the following gentlemen:—Messrs. R. T. Bellemey, W. G. Jones, Chas. Butcher, H. S. Brothwood, L. P. Williams, C. Marshall, J. R. Willows, and Dr. John Ashburton Thompson. With the exception of Dr. Thompson, who is President of the Board of Health, these are all members of the Council of the N.S.W. Pharmaceutical Society. Dr. Thompson is well known in England in connection with his work on the hypophosphites twenty years ago. He is M.R.C.S.E., L.R.S.P.L., L.S.A., D.P.H.Camb., and M.D.Brux.

Celloidin, which is a variety of gun-cotton used for making photographic collodion, seems to be largely exported to Australia. Recently Messrs. A. M. Bickford & Co., Adelaide, S.A., had a 7-lb. parcel sent out to them by Messrs. Laughland, Mackay & Baker, and Professor Rennie, Inspector of Explosives, passed it, as it was below the weight permitted by the Act—viz., 12 lbs., to be carried as general merchandise without any mark. Mr. C. N. Hake, the Victorian Government Inspector of Explosives, has since informed Professor Rennie that he is taking steps to prohibit the importation into Victoria of even small quantities. [We presume that "prohibit" here means as ordinary merchandise.—Ed. *C. & D.*]

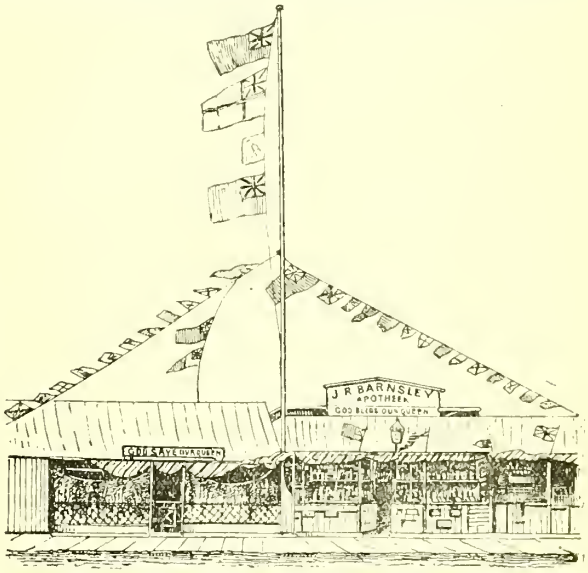
Cultivating Drugs.—Opium-production is not a success in Victoria. The latest report states that in 1892, 26 acres were under opium-poppies, and produced 314 lbs. of opium. Next year the acreage was 50, and the production 762 lbs. The following year it fell off to 6 acres, with a production of 81 lbs. In 1895 none was recorded. In 1896, 4 acres were cultivated, and produced 10 lbs. of opium. For the first time in the five years 7 acres were devoted to castor oil, and 100 lbs. of oil produced. Sunflower-seeds are a crop rapidly growing in importance; in 1892, 45 bushels were produced; in 1893, 30 bushels; in 1894, none; in 1895, 724 bushels; and in 1896, 7,624 bushels. Canary-seed is like the poppy. In 1894, 10 bushels were harvested; in 1895, 392 bushels; in 1896, 13 bushels only. Dr. Finselbach suggests the cultivation of liquorice in N.S.W.

South African News.

Cycling Chemist Injured.—While going to business on his bicycle on the morning of August 9, Mr. F. B. L. Johnstone, of the firm of Johnstone & Co., chemists, President Street, Johannesburg, met with a serious accident, one of a party of mounted police riding against his machine, which caused him to fall, fracturing his left wrist. It is stated that the horseman took no notice, but rode on. Shortly afterwards a friend passed, and was able to have him removed to his President Street pharmacy, where the injury was attended to. Mr. Johnstone will in all probability be confined to his house for about a month. Endeavours are being made to discover the name of the constable, with a view to instituting legal proceedings.

The Johannesburg Drug-theft.—At the Johannesburg Criminal Court on August 9 the adjourned hearing of the case against Alexander Heymann, chemist, and David Murray, in his employ, who were charged with receiving stolen goods knowing them to have been stolen from Messrs. P. J. Petersen & Co., was further proceeded with. We gave particulars of the case last week. In the course of his defence Heymann produced several accounts for sarsaparilla, soap, Fellows's syrup, Steedman's powders, and other things corresponding with those in court, showing the articles to have been purchased from various chemists. Further, the goods stolen were said to be unmarked. After a lengthy hearing the accused were acquitted, as the evidence was not sufficiently conclusive to prove guilt. Harry Charles Tompsett (19), who had pleaded guilty to the thefts, was then brought up for sentence. The Magistrate had intended to pass a severe one; but in view of the fact that he had given evidence for the State and told the truth [which idea does not fit in with the acquittal of Mr. Heymann.—Ed.], he was committed to prison for fourteen days without hard labour.

A Jubilee Decoration.—The sketch below shows the pharmacy belonging to Mr. J. R. Barnsley, of Beaconsfield



Diamond Fields, Cape Colony, as it appeared decorated for the Jubilee Day.

Went to South Africa to Better Himself.—Samuel Woodcock appeared at the Circuit Court, Johannesburg, on

August 13, charged with entering the shop of Mr. Sonnenfeld, and stealing a coat. He was found at 10 o'clock at night, lying drunk on the floor of Mr. Sonnenfeld's shop, wrapped up in the coat which he was charged with stealing. He was very drunk, and was asleep, and the door was found to be burst open. Woodcock's story was that he had only been in Johannesburg a fortnight; that he had come down from up-country, and been on the spree. On the day in question he had been drinking very heavily, and got an attack of the "d. t's." How he got into the shop he did not know; he either must have mistaken the shop for his house, or he was pushed in. The following day, when he was somewhat sobered, he had no recollection of what had taken place the night before. In reply to the Public Prosecutor, he said he served an apprenticeship to a wholesale chemist and druggist in Ireland, and went out to South Africa to better himself. He was engaged by Lennon & Co., in Capetown, as a weekly employé, but left there to go to the Somerset Hospital. Next he got to De Aar, where he accepted employment as a waiter at 2*l.* 10*s.* a month and all found. He moved to Kimberley, but, failing to get work there, he walked to Mafeking, where he obtained employment, and was sent up-country. Subsequently he got to Johannesburg, where he went about drinking and enjoying himself. He intended returning to Buluwayo. The Judge and jury accepted this story, and Woodcock was found not guilty, and discharged with a warning.

Colonial and Foreign News.

Mercurials in Massachusetts.—A Bill has been submitted to the General Court of Massachusetts, which provides against the use of any of the amalgams of mercury as a filling for dental cavities, or of red or pink rubber plates which contain mercury or any of its compounds. A fine of at least $50 will follow violation of these provisions.

Uninflammable Celluloid.—A process has been patented by a M. Asselot for insuring the uninflammability of celluloid. He makes two solutions—one of 1 part of ordinary celluloid in 10 parts of acetone, and another of 2 parts of powdered chloride of magnesium in 6 parts of alcohol; then makes a paste of the whole. When carefully mixed and dried an uninflammable celluloid is obtained.

Recognition of Homœopathy.—At a recent meeting of the American Association of Medical Colleges, held at Philadelphia, it was agreed to recognise the courses of study in homœopathic and eclectic colleges to the extent of four years, which practically means that if candidates can satisfy the examiners it does not matter where they are educated, provided it is in a recognised college.

Bottles by Weight.—The American makers of green bottles have just agreed to the following prices for their manufactures supplied cast of Pittsburg:—"½, 1, 2, 3, 4 and 5 oz. weight, at 2½c. per lb.; 6, 7 and 8 oz. weight, 2¼ c.; 9, 10, 11 and 12 oz. weight, 2⅛c.; 13, 14, 15 and 16 oz. weight, 2c.; 18, 20, 22 and 24 oz. weight, 1⅞c.; 26, 28, 30, 32 and 42 oz. weight, 2¼c., with the regular net Union Blowers' list added."

A Conference on Ship-board.—Last year Mr. Caswell A. Mayo, a leading American pharmacist, suggested to his fellow-members of the American Pharmaceutical Association that they should hold their 1900 meeting on board a transatlantic liner, and finish up by visiting the Paris Exhibition. The idea seems to be catching on slightly, and Mr. Wm. C. Alpers (Merck's, New York) reckons that 100 of his acquaintances will join the thing if a steamer is chartered.

American Pharmaceutical Association.—It was a serious business going to the meeting of this Association a fortnight since. It was three days' journey by rail. Those who travelled from the Eastern States to Lake Minnetonka were met at the principal places *en route* by local committees of pharmacists and entertained by them. The meeting at the Hotel Lafayette opened on Tuesday, August 24, with an address of welcome by Mayor J. C. Eliel. Cutting was once more prominent, and in the commercial section of the Association a report was presented favouring co-operative manufacturing, so as to meet the speciality difficulty. A strong feeling was expressed against manufacturers who allow their prices to be cut, and the request of proprietors for a conference committee was tabled without action. Omaha and Baltimore chemists invited the Association to meet in their towns next year, and Baltimore was chosen. Mr. H. M. Whitney, of North Andover, Miss., was elected president: Mr. George F. Payne, of Atlanta, chairman of the council; and Mr. Joseph Jacobs, of Atlanta, chairman of the commercial section. Mr. Jacobs is a cutter, and runs a number of drug-stores. The scientific section did some good work, but the papers were not above the average. These we reserve for a later issue.

Emigrate and Grow Rich.—According to the *Bulletin de la Société de Géographie*, Abyssinia is a land flowing with milk and honey. In the interior are to be found vast forests where flourish the sycamore, the lemon, the orange, the mimosa, the tamarind, a variety of wild olive (reaching 30 feet in height) and the coffee tree. The articles of export include gums, waxes, medicinal plants, rock-salt, gold, ivory, &c. Bees abound, their honey being used in the preparation of hydromel, the favourite native drink, and the wax serving for candles. Other products of the country are, barley, wheat, millet, maize, sorghum, flax, various oils, tobacco, sugar-cane, copper, iron, &c. The French colony at Obock, a town of some importance, has opened a route for commerce to Harrar and various provinces of the Empire. A postal service has also been established between Djibouti, Harrar, Addis Ababa, &c., and there is telegraphic communication between the two latter places. In the interior, the service is by horse; from Djibouti by boat. Addis Ababa, the capital, is an important centre of trade, and has a permanent population of some 50,000; the total number of inhabitants of the country is estimated at 15,000,000. Harrar is the point of transit of all the commerce from the southern provinces. The goods are brought to the city from the interior by mules, and carried thence to the ports by camels. The annual value of the trade of Harrar amounts to over 1,000,000*l.*, and is growing steadily.

Personalities.

Professor Remington, of Philadelphia, will sail in the *St. Louis* from Southampton for New York on Saturday.

Mr. Councillor F. Bird, chemist, Coventry, Chairman of the Coventry School Board, has been elected by that body a Governor of Mason University College, Birmingham.

Prof. Edward Divers, of Tokyo University, mentions in the *Chemical News* that Mr. Takaminé, F.C.S., the inventor of Taka-diastase, was "the first Japanese pupil he ever had, and pursued chemistry under him for four years."

We are asked to publish the following:—"As the report in your last issue respecting the sad death of a lady, the mother of a Mr. Thompson, a chemist, of Dover, will cause serious misapprehension and alarm among my relatives and friends, I wish to state that the late lamented lady was not in any way related to the family of Edward Thompson, chemist 1 King Street, Dover."

New Books.

James, J. B. *Rheumatism and its Treatment by the Use of the Percusso-Punctator.* 2nd ed. Cr. 8vo. 2*s.* (Rebman Publishing Company.)

Kirk, E. C. (Editor). *Operative Dentistry:* American Text-book. Contributed by Eminent Authorities. Roy. 8vo. Pp. 702. 6*s.* net. (Kimpton.)

Notter, J. L., M.A., M.D., and Firth, R. H., F.R.C.S. *Elementary Practical Domestic Hygiene.* Cr. 8vo. 2*s.* 6*d.* (Longmans' Practical Elementary Science Series.)

Ruddiman, E. A. *Incompatibilities in Prescriptions;* for Students in Pharmacy and Medicine, and Practising Pharmacists and Physicians. 8vo. Pp. vi.—267. (New York: John Wiley & Sons. London: Chapman & Hall, Limited.)

Thome, W., and Bennett, A. W. *Text-book of Structural and Physiological Botany.* 8th ed. 12mo. Pp. 510. 6*s.* (Longmans.)

Pharmaceutical Society of Ireland.

THE monthly meeting of the Council was held on September 1 at 67 Lower Mount Street, Dublin, at 3 P.M. Present: Mr. W. F. Wells, jun. (President), Messrs. J. D. Porter, Beggs (Treasurer), J. I. Bernard, the Vice-President (Mr. Downes), Dr. Walsh, Professor Tichborne and Mr. Conyngham.

THE BRUSSELS CONGRESS AND THE GLASGOW CONFERENCE—DELEGATES' REPORTS.

Professor TICHBORNE reported his experience at the Brussels Pharmaceutical Conference, which he had attended as the delegate of the Council. The reports in the journals gave a pretty good idea of what passed at the Conference. As regarded the way in which he was received, nothing could exceed the kindness of the President (Dr. Ranwez) and the General Secretary (M. Duyk) towards him personally. It was quite out of the common, and those gentlemen did everything they could to make the visit agreeable to him. But as the delegate of the Society he did not think any reception was given to him at all. The cause of this, he fancied, was that there was some confusion of ideas as to his position; he believed they thought at the Conference that the Society he represented was some small local society. So far as he could trace, he did not think the Pharmaceutical Society of England were represented there at all. They sent no delegate; but Dr. Paul was there, and seemed to represent them in a semi-official manner. At the banquet he was asked to return thanks for the English-speaking members who were present, and he did so. He (Professor Tichborne) did not know why a representative of the Press should have returned thanks on the part of societies which were represented by delegates. However, probably that was owing to the confusion to which he had referred. But he repeated that personally he felt extremely obliged for the courteous treatment he received. A subject in which he felt personally interested was that of the International Pharmacopœia. They all felt interested in the movement started in Brussels twelve years ago to establish such a Pharmacopœia. At the meeting held in Chicago a vigorous effort was made to carry on the movement; but although a report had been made, his opinion was that the movement was dead, and that the last meeting had put the final nails into its coffin. He himself had been a strong advocate for it; but he had found that the working-out of such a proposal would involve great practical difficulties. They might effect a political amalgamation between France and Russia, but they would find it hard to make a Russian physician doctor his patients according to the French *régime* or give them the same doses: climate and other things made too much difference. It was proposed that there should be a further meeting of the Congress at the great exhibition to be held in Paris; but for his part he believed they had seen the last of the movement.

The PRESIDENT reported that he and the other delegates appointed by the Council had attended the British Pharmaceutical Conference held in Glasgow. They were most warmly received there. The local committee left no stone unturned to make the meeting a success and to secure the happiness of those who attended. As their President he (Mr. Wells) was very kindly received by the President of the Conference, and at a smoking-concert which was held the first toast of the evening was that of the Pharmaceutical Society of Ireland, which was proposed in very kind terms by the President of the British Pharmaceutical Society, and was well received by all present. The kindness and attention of the local committee could not have been exceeded. The Conference was a very successful one; in fact, as far as numbers went, it was a record Conference. On the Friday after the termination of the Conference a local member, Mr. Stanford, took several of them to see places of interest, including chemical-works of which he was manager. The Belfast pharmaceutical chemists and the chemists and druggists gave the Conference a warm invitation to meet in Belfast next year, which was unanimously accepted; and he hoped it would be the means of getting a large number of new members to join the Conference. They could not have a universal Pharmacopœia, but they could have universal good feeling amongst the pharmacists, not only of the three kingdoms but of the other parts of the world. At Glasgow he (the President) made the acquaintance of Professor Remington, and he was sure that every one who met him must have thoroughly enjoyed his society.

THE SCHOOL.

The PRESIDENT mentioned that Dr. Falkiner had written to say that he had lost the services of his assistant, Dr. Johnston, and he (the President) wrote in reply that the Council had every confidence in Dr. Falkiner's management of the school, and that they left the appointment of Dr. Johnston's successor entirely in his hands.

The President's letter was approved.

THE VICE-PRESIDENT WITHDRAWS HIS RESIGNATION.

The REGISTRAR read the following letter from the Vice-President (Mr. Downes), withdrawing his resignation:—

136 Lower Baggot Street, Dublin,
August 17, 1897.

To the Registrar.

Dear Mr. Ferrall,—In reply to yours of the 6th inst. I thank the Council for its resolution, and appreciate its unanimity. I accept it as one of confidence, and comply with its request.

I am, yours truly,
R. J. DOWNES.

The PRESIDENT: I am very glad. To me personally Mr. Downes has been a great help, and I shall be very glad to have his services during the short time that I have to remain in the chair. (Applause.)

NAVAL HOSPITAL DISPENSERSHIPS.

A letter dated August 18 was received from the Civil Service Commission enclosing six copies of the regulations under which open competitive examinations for situations of dispenser in her Majesty's Naval Hospital are to be held in London, Edinburgh, and Dublin on September 7. The letter stated that the number of situations to be filled would be the number vacant at the time of the examinations, and also that no candidate would be admitted from whom the Secretary of the Civil Service Commission had not received an application on or before August 25.

The PRESIDENT: This is satisfactory in that another position is now open to our licentiates; but it is a pity that they did not give us a little better notice of the examinations.

The VICE-PRESIDENT: We might write to the Civil Service Commission asking them to send an earlier intimation of the examinations in future. I happened to see in a newspaper that Dublin was one of the centres, and that made me direct our Registrar to write to the Commission.

It was ordered that the Registrar should write to the Commissioners asking that the earliest possible notice should be given of the examinations in future.

THE NEW COUNCILLOR.

A letter from Mr. R. W. McKnight thanked the Council for having co-opted him a member.

The PRESIDENT: I received a letter from him yesterday expressing much regret that he could not be with us to-day.

THE EXAMINERS.

A letter from Mr. M. R. Whitla thanked the Council for having appointed him their examiner in practical pharmacy.

A letter from Mr. T. W. Robinson expressed regret at being unable to withdraw his resignation of the office of examiner of the qualifications of registered druggists and pharmaceutical assistants.

The PRESIDENT: This letter came after the agenda-paper went to the printer, consequently we cannot now appoint an examiner; but I can, if necessary, apply to the Lord-Lieutenant to sanction the appointment of an examiner for next month.

On the motion of the VICE-PRESIDENT, seconded by Mr. PORTER, the resignation of Mr. Robinson was accepted with regret.

A DINNER PROPOSED.

A committee was appointed to make arrangements in reference to the dinner proposed to be held in connection with the annual meeting.

Irish Medals for Irish Students.

The next business was the following notice of motion given by Mr. Kelly, who was not present:—

> That candidates holding the diplomas of other licensing bodies be excluded from receiving the Society's medals, even though they get the required marks; that the medals be restricted to candidates from our own schools, as it is by them the medals are provided; also that re-examined candidates be excluded, even though they get the required marks.

Mr. Conyngham moved the adoption of the above.

Professor Tichborne said he was inclined to second the motion.

Mr. Conyngham: Mr. Kelly's idea is not to allow men who have obtained medals elsewhere to come in and take our medals.

The President: He goes farther than that. He wants you not to give them to any but our own students. The matter was debated by the committee of the Council who drew up the regulations, and they were of opinion that our medals should be open to everybody.

It was decided to hold over the resolution for the attendance of Mr. Kelly.

Mr. Bernard Buries the Hatchet.

The next business was a notice of motion by Mr Bernard:—

> That the report taken for the Council at the July meeting be handed to the official journals for publication in connection with Mr. Downes's letter.

Mr. Bernard said he would withdraw this motion, as he considered the matter had already been fully dealt with.

Only Two Critics.

The President mentioned that copies of the circular asking for support for the Society had been sent to every licentiate and every associate druggist in Ireland. Only two letters had been received finding fault with the Council for not doing its duty. One of these would be put on the agenda-paper for the next meeting.

New Members.

On the motion of the President, seconded by Mr. Beggs, the following were elected members of the Society:—Messrs. R. H. Armour (Grattan & Co.), Belfast; Christopher Garry, Mullingar; W. H. Hopkins, Blackrock, co. Dublin; John McClelland, Ballyshannon; James Michie, Blackrock, co. Dublin; and Charles O'Hagan, Newry.

On the motion of the President, seconded by Mr. Beggs, the following were elected associate druggists:—Mrs. Annie McGavock, Glenarm; Messrs. William Burns, Ballinamore; John O'Toole, Rathdangan; James Waldron, Claremorris; and Michael M. Waldron, Ballyhaunis.

On the motion of the President, the following were nominated for election as members of the Society:—Messrs. R. A. Austin, Londonderry; James Deans, Belfast; J. T. Turner, Dublin; and John Walsh, Maghera.

On the motion of the President, the following were nominated for election as associate druggists:—Messrs. B. Chadwick, Borrisoleigh; R. C. Dorman, Cork; and D. P. Nunan, Charleville.

The Coming Election.

The President called attention to the annual election, which will take place on the first Monday in October, for seven members of the Council. Members who desire to propose candidates, whether pharmacists or druggists, are required by the regulations to send in their nomination-papers before September 20. The nomination-paper should contain the names of the proposer and seconder; and there must also be a letter from the candidate stating that he is willing to serve.

Other business having been disposed of,

The Council adjourned.

Dr. Forbes Godfrey, an eminent Canadian doctor, treats asthma with arseniate of strychnine. He gives $\frac{1}{30}$ gr. in pill form three times a day.

Legal Reports.

SALE OF FOOD AND DRUGS ACT.

Olive Oil.

At Rochester on Friday Mr. Gabriel S. Wynbergen, patent-medicine vendor, High Street, Chatham, was summoned for selling a flask of olive oil which was certified to be cotton-seed oil. The price charged was 4½*d*. The defence was that the assistant thought he was supplying olive oil, whereas it was not intended to be sold as olive oil. The Bench imposed a fine of 1*l*. and 13*s*. costs, the Chairman saying that the penalty was small because the offence might have been committed through carelessness.

Farina in German Yeast.

At Howden on September 4 Mr. Geo. Jipson, of Eastrington, was summoned for selling German yeast which was certified to contain 40 per cent. of farina. A fine of 3*l*., including costs, was imposed.

Rice-starch in Ground Ginger.

At Dartford, on September 4, Mr. Henry Pettit, Crayford, was summoned for selling ground ginger certified not to be of the quality demanded by the purchaser. It was proved that the sample purchased contained 75 per cent. of rice-starch and 25 per cent. of ginger. A sample of white pepper also sold by defendant was certified to contain 50 per cent. of rice-starch. For the defence the following guarantee of quality given by the wholesale-dealer was handed in:—"Pepper and spice, highest in value, lowest in price!" The Bench declined to accept this as a warranty, and imposed a fine of 10*s*. and costs in each case.

Bankruptcies and Failures.

Re Robert Austerberry, Pontefract, Liquorice-refiner.

A meeting of the creditors of this debtor was held at Pontefract on September 3 before the Official Receiver. The meeting was called by Pontefract creditors representing 250*l*. or more for the purpose of appointing another receiver in the place of the Official Receiver, in order that he might be free to act in regard to property which had passed from the possession of bankrupt to other persons. The Chairman said he quite agreed with the request. Mr. S. Lowden, of Pontefract, was appointed, with the following committee of inspection:—Mr. T. M. Barker, Mr. E. Vaux, and Mr. C. England—all of Pontefract.

Re A. H. Bremner, Thurso, N.B., Chemist and Druggist.

The creditors in this sequestration met in the Court-room, Thurso, on August 31, Bailie Tait presiding, and Mr. Keith Murray acting as law-agent. A number of claims were submitted, and it was agreed to appoint Mr. Romanes, accountant, Edinburgh, as trustee, and Bailie Tait, Mr. Wm. Campbell, and ex-Provost Sinclair as commissioners on the estate. The statement showed that the assets were 1,325*l*. and the liabilities 1,862*l*. The largest creditor is the National Bank, who have a claim for 950*l*., and there are unpaid bills to the extent of 550*l*. The assets consist of:—House, 600*l*.; assurance policy, 150*l*.; stock and fittings, about 300*l*.; and book-debts.

Re John Williams, 25 George Street, Pontypool, Chemist and Veterinary Surgeon.

On Tuesday a meeting of creditors in the above case, in which the liabilities are 423*l*. 0*s*. 5*d*. (failure being attributed to ill-health, domestic trouble, and expenses incurred thereby), was arranged to be held at the Official Receiver's offices, Newport. A quorum was not obtained.

Re H. MORTON, 6 Parade Buildings, Deptford Bridge, S.E., Chemist.

THE creditors in this failure met on September 8 at the offices of the Official Receiver, Railway Approach, London Bridge, S.E., under the presidency of the assistant Official Receiver, Mr. Acheson. The chairman said he had received proofs of debts from Messrs. Burgoyne, Burbridges & Co., 4*l.*, Townsend & Co., 6*l.*, Breffit & Co., 6*l.*, Johnson & Watts, 4*l.*, Baiss Brothers, 54*l.*, and Pattenden, J., 5*l.* It was a summary case, and as the debtor had no proposal to submit to the meeting, he had been adjudicated bankrupt. He could not tell what they would realise, as they were for small amounts, and were due from a large number of people. A creditor stated that the debtor had informed him that the stock and book-debts would not realise more than 10*l.* or 12*l.* A creditor suggested that as the debtor had been an honest man the best thing would be to hand him over the stock, &c., in order that he might make a fresh start in life, and earn something for his wife and children. The chairman said the stock belonged to the creditors, who lost their money through the debtor's trading, and it was the Official Receiver's duty to collect the assets and distribute them among the creditors as soon as possible. The debtor, in reply to questions, said he had made a mistake when he told the Official Receiver that his book-debts would realise 85*l.* He had since gone carefully through his books and found that there were good book-debts amounting to 43*l.*, and doubtful and bad debts amounting to 10*l.* or 12*l.* Those debts were due from about 500 persons, but they ought to produce 50*l.* Some of the debts were in respect of goods on sale or return, and if the debtors were pressed for payment they might return the goods. The estate was left in the hands of the Official Receiver for summary administration in the usual manner.

Re EDWARD GEORGE MARKE, 2 Victoria Place, Gravelly Hill, Warwickshire, Chemist and Druggist.

THE first meeting of creditors in this matter was held at the office of the Birmingham Official Receiver on September 9. The debts are 107*l.* 18*s.* 8*d.*, and the assets are estimated to produce 49*l.* 5*s.* The bankrupt commenced business at Plymouth in 1861 as a chemist and druggist. He had no capital, and a relative lent him 300*l.* He filed his petition in the Exeter Court after four years' trading. Bankrupt, in answer to the Official Receiver, said he could not remember what his liabilities were at that time, though he thought they would be about 250*l.* For some years after bankrupt was engaged as an assistant, but being out of employment he commenced business in September, 1894, at Gravelly Hill. He had then no capital, but he borrowed 10*l.*, which he subsequently repaid. The profits were insufficient to pay the household expenses, and the deficiency gradually accumulated. The immediate cause of the petition, however, was pressure from a money-lender. In March, 1896, he borrowed 20*l.*, and in April, 1897, a further 14*l.*, making a total of 34*l.* He had repaid 27*l.*, but the amount now claimed, including interest, was 21*l.* In answer to the Official Receiver (Mr. L. J. Sharp), the bankrupt said he borrowed the money from the Farmers' and Traders' Loan Company. Mr. Sharp produced the documents relating to the previous bankruptcy, from which it appeared that the bankrupt's liabilities at that time were 1,828*l.*, and the deficiency 1,393*l.* 17*s.* 5*d.* Bankrupt said that must be a mistake, though he was reminded by Mr. Sharp if it was a mistake he was himself responsible, as he supplied the information. At that time, also, it appeared he traded under the name of "George Mark"—why, he could not explain. The case was a summary one, and the Official Receiver is trustee.

Gazette.

THE BANKRUPTCY ACTS, 1883 AND 1890.

ADJUDICATIONS.

Marke, Edward George, Gravelly Hill, Warwickshire, chemist and druggist.

Sara, Herbert, Falmouth, chemist and druggist.

Rainsford, George, and **Cartwright, Frank** (trading as Rainsford & Cartwright), Erdington, mineral-water manufacturers.

Deeds of Arrangement.

Ferris, David, trading as D. Ferris & Co., Albert House, English Street, Armagh, grocer and druggist. Dated, September 2; filed, September 4. Secured creditors, 56*l.*; liabilities unsecured, 2,139*l.* 8*s.* 10*d.*; estimated net assets, 657*l.* The following are scheduled as creditors:—

	£	s.	d.
Agnew, Hamilton & Co., Belfast	24	9	0
Alcock, Samuel, Wrexham	6	6	0
Allan, Cockshut & Co., London	125	10	0
Ayrton & Saunders, Liverpool	5	17	6
Bass, T., & Sons, London	19	18	10
Brown, John, Belfast	26	0	2
Burnard & Alger, Plymouth	24	10	0
Cadbury Brothers, Birmingham	9	1	9
Calthorp Brothers (Limited), Liverpool	24	10	0
Chiney, J., Lurgan	20	0	0
Cleaver, F. S., & Sons, London	12	0	0
Cockle & Ashley, Dublin	10	4	4
Collins, William M., Cork	7	11	6
Colthurst & Harding, Bristol	7	12	8
Couser, William	91	13	4
Donaldson, John, & Co., Edinburgh	54	2	2
Dougall Brothers, Manchester	5	10	10
Dougan, F., Belfast	20	0	0
Ferris, Jane	50	0	0
Ferris, John, Cootehill	190	0	0
Fulton & Kingan, Belfast	13	17	3
Gailey, A. & J., London	50	10	0
Gorringe, R., & Co., London	97	1	4
Graham, A., & Co.	9	13	7
Graham, James, & Co., Liverpool	32	10	4
Heywood Paper-staining Company, Manchester	11	10	3
Hignett Brothers & Co., Liverpool	9	4	2
Jacob, W. R., & Co. (Limited), Dublin	21	12	3
Kennedy, M., & Son, Dublin	9	16	11
Lamie, James, & Co. (Limited), Cork	22	8	4
Little, John, & Sons, Belfast	73	6	1
Lunham Brothers, Dundalk	10	16	9
McCullough, S. H. (salary)	7	10	0
McMaster, Hodgson & Co., Dublin	7	2	6
McMullan, Matthew, Belfast	5	11	2
McMullan, Thomas, & Co., Belfast	39	13	9
Mitchell, Stephen, & Son, Glasgow	5	1	6
Montgomery, T., & Co., Liverpool	14	11	4
Mowat, John & Sons, Glasgow	29	1	10
Peterson, M., & Co., London	10	10	0
Pilkington Brothers, St. Helens	55	18	3
Rent and taxes	3	0	0
Richardson Brothers & Co., Belfast	35	11	8
Shaw & Jamison, Belfast	17	11	8
Silber & Fleming, London	18	15	8
Smith & Crouch, Liverpool	6	9	0
Stevenson, S., Armagh	60	6	4
Stewart, Jane, Armagh	176	5	0
Storer, James, & Co., Glasgow	26	7	4
Ulster Gazette Office	5	10	10
Varian, J. S., & Co., Dublin	9	15	11
Wright & Butler, Birmingham	14	19	3
Bankers' claims	458	0	0

Smith, Edwin, Chemical-works, Clayhills, and Davenport Street, Tunstall, chemical-manufacturer. Trustee, Henry W. Figgins, Cheapside, Hanley, accountant. Dated, August 31; filed, September 3. Secured creditors, 241*l.* 6*s.* 3*d.*; liabilities unsecured, 592*l.* 4*s.* 11*d.*; estimated net assets, 258*l.* 13*s.* 9*d.* The following are scheduled as creditors:—

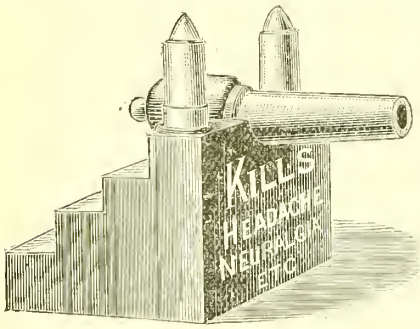
	£	s.	d.
Corporation of Longton, Longton	433	0	0
Davies, T., & Sons, Manchester	40	0	0
Nicholson, J., & Sons (Limited), Hanslet	11	0	1
North Staffordshire Railway Company, Stoke-on-Trent	18	0	0
Peake, Thomas, Tunstall	54	0	0
Pidduck & Beardmore, Burslem	17	0	0
Scottish Wagon Company, Edinburgh	186	0	0
Wedgwood, L., & Co., Cobridge	24	19	11

MARVINE GELOIDS have been decidedly improved in taste since we noticed them a few weeks since. They are not so acid now as they were, yet they seem to have lost none of their thirst-quenching properties.

Novelties.

FOR SELLING MENTHOL.

A MINIATURE gun-carriage for a chemist's counter is rather a novel idea, and it should be a good attraction for some time to come. Messrs. Shirley Brothers, Whitecross Street, E.C., are giving one away with a dozen assorted 6*d.* or 1*s.* menthols. The figure at the side is a faithful representation of it, the smaller wording only being left out, but we supply it, as it is terse and original:—



Menthol is indispensable to THINKERS, STUDENTS, &c., as it at once cures Nervous Headache brought on by overwork or study.

The gun-carriage is also used for a show-stand; in fact, the ammunition standing beside the gun is menthol-cones. A battery of guns would be better for the counter than a single one. Messrs. Shirley Brothers send us a copy of their new catalogue, which is devoted to soothing-teats, A1 menthol-cones, Etienne Frères' perfumery and flavouring-essences, packed drugs, feeding bottles and teats, combs, smelling-bottles, puff-boxes, and tins (ointment, tooth-powder, &c.). This list is worth sending for, especially by large buyers.

MASSAGE AT HOME.

THE Matto chain, which we referred to a few weeks since as having been introduced into England, consists of a series of twelve pairs of polished hardwood balls arranged upon a jointed chain with a handle at each end. It is 32 inches long (the balls covering a length of 22 inches), and can be applied to any part of the body by oneself. For example, in a case of lumbago, or stiffness of the shoulder-muscles, the chain can be applied quite comfortably without straining oneself. At first sight the balls seem an unlikely substitute for digital massage, but that notion is quickly got rid of when the chain is tried, as it produces even kneading of the muscular part, and a gentle glow of heat which indicates that the circulation is considerably stimulated. It is likely that there will be a demand for the Matto chain by cyclists as well as through prescriptions. It retails at 5*s.*, and is put on the market by Matto (Limited), 32 and 34 Clerkenwell Road, E.C.

Trade Notes.

"BECTOL" and "Beckton" have been registered as trade-marks in the United States by the Gas Light and Coke Company of London.

MESSRS. MARRIOTT & Co., Hastings and Leamington, intimate that to save delay all wholesale and export orders for their "Lily" baby-soothers should be addressed to Hastings.

MESSRS. HARRINGTON BROTHERS, 53A City Road, E.C., issue a price-list of organic and inorganic chemicals which contains many rare things that are sometimes needed quickly, and which they stock.

IN Messrs. Blondeau et Cie.'s price-list inserted in our Summer number the price of "Vinolia" soap is given as 7*s.* 9*d.* instead of 8*s.* Will retailers please make the correction, and also note that the net prices are intended for customers' guidance only?

MESSRS. WM. GARDNER & SONS, of Gloucester, will exhibit their patent sifting and mixing machines at the Bakers' Show, to be held at the Agricultural Hall from September 16 to 23, and at the Grocers' Show, which will be held at the same place October 1 to 7.

WHITE WAX.—Samples of white wax which we have received from Mr. Theodor Leonhard, Paterson, N.J., recall the fact that in our issue of April 28, 1894, we printed an illustrated description of his factory, and the process of bleaching adopted by him. Mr. Leonhard has carried the art of wax-bleaching to a high degree of perfection, and as he is right in the heart of one of the greatest honey-making districts in the world, and, withal, one which is favoured with a clear atmosphere and abundant sunshine, he is as favourably placed as anyone could be. Writing in regard to our recent Summer number, Mr. Leonhard says:—"Among the interesting articles I notice the description of the Lüneburger Wachsbleiche. I must say that I quite agree with them in one thing, and that is that the best way to bleach wax is the old-fashioned way of sun-bleaching. It gives a product absolutely pure and free from all chemical taint. I have been pursuing this method ever since I have been in business." The samples which Mr. Leonhard sends are remarkably free from any odour or other indication of rancidity, and our chemical examination of the wax shows it to be pure wax.

New Companies and Company News.

FILMLESS ANIMATOGRAPH COMPANY (LIMITED).—Capital 6,000*l.*, in 1*l.* shares. Objects: To enter into an agreement with Leo. Kamm, and to manufacture, sell, exhibit and deal in photographic and scientific articles.

THE LÜNEBURG WAX-BLEACHING FACTORY has been converted into a joint-stock company, with a capital of 1,500,000m. Mr. T. Börstling, who has hitherto carried on the business, and his family retain the larger portion of the shares in their own hands, and will continue to direct the concern as heretofore.

GARRETT'S HERBINE COMPANY (LIMITED). — Capital 5,000*l.*, in 1*l.* shares. Objects: To acquire as a going concern the manufacture and sale of the herbal preparation or medicine known as "Garrett's Herbine," and all forms in which the same is made up, and the business and undertaking of Mrs. Ellen Jackson, trading as "Garrett," at 33 Oakley Road, Ranelagh, co. Dublin. Registered office, 12 Grafton Street, Dublin.

HILLABY'S (LIMITED).—Capital 20,000*l.*, in 10*l.* shares (1,000 preference). Objects: To enter into an agreement with John Hillaby for the acquisition of the business carried on by him at the Lion Works, Tanshelf, Pontefract, Yorks, and to carry on the business of liquorice growers and refiners, makers of liquorice cakes and other sweets, grocers and confectioners. The first directors are:—John Hillaby and Ernest Hillaby. Qualification, 500*l.* Remuneration, as the company may decide.

BIRMINGHAM VINEGAR BREWERY COMPANY (LIMITED).—An interim dividend of 5 per cent. on the ordinary shares has been declared.

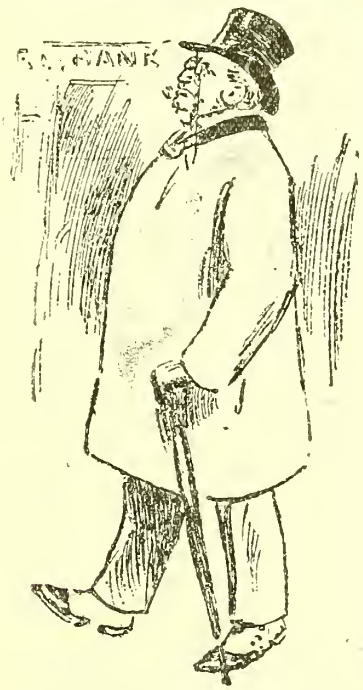
PRICE'S PATENT CANDLE COMPANY (LIMITED). — The profit for the six months to June 30 last was 36,763*l.* A dividend of 15*s.* per share is proposed, and a balance of 14,499*l.* is carried forward.

KEMP & CO. (LIMITED) (BOMBAY).—The report of this company for the year ending June 30 shows a profit balance of 64,074r. The directors recommend to write off 4,295r. for depreciation of laboratory buildings, plant, and furniture, and 600r. for bad debts; to pay 4,150r. in bonuses to staff; to credit the reserve fund with 13,028r. (making that fund 2,16,827r.); and after all these dispositions to pay a dividend of 12 per cent., which will absorb 42,000r. The paid-up capital of the company is 3,50,000r.

American State Associations.

By a Delegate.

AMERICANS are great organisers, and this is not less manifest in the calling of pharmacy than in any other class. Pharmacists have their city Associations, their country Associations, and their State Associations, each and all of which elect delegates to each other, as well as to the national organisation, the well-known A.P.A., or American Pharmaceutical Association. Next to this, the State Associations are of most importance and interest. In one respect some of them are of greater importance, in that to them are entrusted the selection of appointees to the State Boards of Pharmacy, which have the power to grant certificates of qualification to those who either cannot afford or do not care to attend the Colleges of Pharmacy and graduate therefrom. In one or two States the Association has secured the privilege of regulating the practice of pharmacy in that State independently of the Colleges, and in



The Delegate from New York.

those States pharmacists are required to re-register every year, if engaged in actual practice.

In the Eastern States the Association meetings are dull or progressive, according to individual opinion—that is, they are pseudo-scientific gatherings, similar to those of the B.P.C., with more or less recreative pastimes thrown in to secure attendance. It is in the South and West that the typical American State Association is found in all its glory.

The lot of the delegate to these and to all Association meetings is a happy one. The proverbial hospitality of Americans is nowhere better shown than in the treatment of visiting delegates. To them are extended all the privileges of a member, and to them are allotted the seats of honour at banquets, sports, and all that goes to make up an Association meeting, and outside of hotel bills they are not allowed to spend a cent.

The Delegates are Appointed

by the Presidents of their respective Associations, and each one is furnished with credentials in the shape of a parchment bearing an enormous red seal, certifying that Mr. Blank is the duly-appointed delegate of the Smartville Association, and requesting for him the usual privileges.

Armed with this document, the delegate sets forth, and on arrival his first duty is to seek out the officials and present his credentials. This is an easy matter, as the President, Secretary, and Treasurer are for the first six hours or so of the meeting always to be found at the bar of the hotel—seated at a table in the Eastern States, and in the West standing with backs to the bar, and probably profusely expectorating in the manner of the Western gentleman. The delegate is greeted with effusiveness, and requested to name his "particular poison." This part of the ceremony must on no account be omitted. There is, moreover, a certain etiquette to be observed in the selection of the "poison." In the East the President's drink is a "Manhattan"; the Secretary, unless he be of German origin, will take whisky "straight"; the Treasurer a "golden fizz" (*i.e.*, a gin fizz made with yolk of egg); and the delegate is expected to take something "with a cherry in it." In the South all take mint-juleps, that "nectar of the gods, suh!" and in the West the President, Secretary, and delegate will take "old Bourbon," whilst the Treasurer will request a gin or whisky sour, indicative of the fact that the members are not as prompt with their subscriptions as they might be. In some localities it is etiquette for the Secretary to take "rum and 'lasses"—*i.e.*, a mixture of rum and molasses, a very popular blend in some parts, and one which the "tenderfoot" will do well to avoid, as the rum belongs to the brand known as "forty-rod chain lightning" and the like.

This duty over, the delegate is at liberty to wander around until the meeting opens, when he must be on hand to extend the greetings of his Association to the assembled members at the reception of delegates. Every delegate present is expected to reply to the vote which extends to them all the privileges of the meeting.

The meeting is, of course, opened with the usual addresses of welcome, followed immediately by

The President's Address.

This will probably be a remarkable document, especially in the West. It is often a marvel of eloquence, for Americans are frequently born orators, even if they are druggists; it is generally full of recommendations as to the work of the Association, sometimes humorous and sarcastic, or else pathetic over the troubles and trials of the retailer. In some instances it is devoted to abuse of the wholesale drug-firms for usurping the retailer's functions, or of the physicians for prescribing proprietaries, and it is occasionally worded in metaphorical style, only to be understood by those well versed in the picturesque slang of America. Here, for instance, is a typical paragraph:—

> At this point the A.B.C. Company took a little whirl through the State and came up smiling in front of the court-house where a number of learned gentlemen were at play. Your Secretary then swooped down upon the scene and at once called for a new deal. Unluckily he drew a bobtailed flush, but decided to stay in on a bluff. The A.B.C. Company saw his royal highness of the pestle and mortar and evidently decided to engage him for the next waltz. But your Secretary was coy and chased himself to a higher court, were he sat on his perch, drew out his injunction, and with a smile at the opposition, hummed "Come, Birdie, Come."

It may be said in explanation that this gentleman had at one time been a reporter. But it is in the portion of the address devoted to obituary that the American is at his best. No matter how poor or how badly worded the remainder of the address, this part is always eloquent and touching, and is uttered and listened to with the greatest enjoyment, an obituary notice being to an American what a "wake" is to an Irishman. Here is one relating to a college student whose days were cut short by "accident." No man in America need ever pine for want of an obituary notice:—

> He was a brilliant scholar, and had he lived would have attained high eminence as a pharmacist.
>
> A few days before his death, while yet in the splendid promise of youth, disease came like a cloud on his horizon, growing more ominous until the dark "plutonian shadows" of death gathered above him, the bright weapons he was forging for the battle of life dropped from him, and he came to rest.
>
> His conflicts are now over, his battles are ended, his bright ambition has gone down even as a star sinks to rest; but his precepts and examples will not perish with the body, but the maxims of his life will teach others when these feeble words of praise shall have passed away.

The sealed lids will not uplift from happy sleep, his hands lie still and pulseless. He has gone to join the myriads of the just that are passing into the portals of that home he has so long seen by faith.

From the peroration of a recent really eloquent address the following may be extracted. The whole address is worth reproduction, but the editor might object to covering three pages with it. This is how the address concluded :—

In the days when Greece was great; when from Sparta came those heroes who repelled the Persian hosts; when at Athens Plato taught; when Demosthenes scorched the souls of men with the fire of his eloquence; when from Mount Olympus' heights descended the rolling thunder of great Jove's anger, there flourished the Delphian Oracle, at the gate of whose temple the sick were brought and laid, that pandering priests might come with their false words and worthless healing-balm of Apollo's own compounding—in this hour arose the father of our science, Hippocrates, who, gathering together the golden sands of knowledge which had washed down the River of Time, worked them over in the crucible of his mighty brain, and behold! our science was crystallised.

In those dark, mediæval days, when in cloistered cell cowled monks strove to keep alive the flickering spark of learning, the Father of Men kept watch and ward over our art, that it might live through those trying times, then rose the sun of our modern epoch, and it was glorious day; the empyric crushed spiders for his deluded patient, but Galen, Harvey, and Jenner were born; the surgeon yet cut the limb from the body with a blow, and staunched the blood by searing with heated iron, but Morton and Simpson blessed poor humanity by the discovery of anæsthetics; the madstone was sought far and near when someone had been bitten by a rabid dog, and, being found, became only a hope to those who stood by and watched the agonies of death by hydrophobia, but Pasteur, by years of earnest research, has eliminated this danger, has cut off this tentacle of the octopus Death. To-day we have our antirheumatic rings, our electropoise, our magnetic healer, and our osteopathists, but, thanks to the unfailing result of perseverance, our sincere and earnest brethren have given us antiseptics, that we may cut, when necessity demands, without danger; have taught us to laugh at diphtheria; have given us an abortive method wherewith to cut short the dragging days of typhoid fever; and we can prophesy, without boasting, that before many years—perhaps before the nineteenth century shall have tottered to its grave—we shall be able to throttle that most cruel and deadly disease, tuberculosis. We hope not to defy Death, for he must conquer all; we hope not to re-create the shattered vase, but by skilful aid to make it hold again the sparkling wine of life.

"When Nature will not work, then art is void,
For physic can but mend our crazy state;
An old building patch—not a new create."

The President's address is always referred to a committee of three for report; indeed, all reports, motions, and papers are referred to similar committees. If there is no standing committee on any particular subject, the President appoints one off-hand, and the meetings are constantly interrupted and needlessly prolonged by the reports from these committees. The President's address over, and the usual routine business transacted,

The Reading of Papers

is taken up. There is a terrible sameness in these; the same subjects are dealt with again and again. Usually one or more of the professors from the local colleges give papers, generally on some such subject as "The Microscope in Pharmacy" or "Educational Requirements of the Pharmacist." Then follow a string of papers on "The Relation of the Druggist to the Physician," "How to Become a Successful Druggist," "Is a Cash-register a Necessary Adjunct to the Pharmacy?" "How to Run the Cigar-stand," and such-like subjects. The worst of it is that the Associations offer prizes for these papers, varying from $25 in gold to a box of chewing-gum. Occasionally a comic paper will be read. A year or so ago one gentleman prepared "A Druggists' Catechism" for the edification of his *confrères*. The opening questions and answers are appended :—

Who made you a druggist?—I think it must have been the d—l; I believe no one else could or would.

Why did he make you a druggist?—Just to see how miserable a human being he could make.

Where will the druggist go when he dies?—To Heaven.

Why?—Because he has suffered so much on earth that of course they would not think of sending him to——the other place.

Some years ago one of the queries at an annual meeting was, "How can a pharmacy be conducted so as to enrich the proprietor?" A ponderous MS. was sent in reply to this query, and on being opened was found to contain the single line, "Work like the devil, and never spend a cent. Reply to query No. ." One pharmacist said in reply that this druggist must have a good business, for he worked like the old gentleman all the time, and never had a cent to spend.

The reading and discussion of papers is, however, only of secondary importance in the Western and Southern Associations. The chief objects of the meeting are

The Competitions

and sporting events for prizes. To secure the necessary number of prizes the wholesale drug-firms are assessed for contributions, and the prizes consist of sundries, galenicals, cigars, and fancy goods of all descriptions. When the number of associations is taken into consideration, it will be seen what a tax this becomes on the wholesale firms in the course of a year.

The business sessions are hurried over, and the afternoons devoted to fun. This is generally inaugurated by guessing contests open to ladies as well as gentlemen. They will be required to guess the number of pills in a bottle, the weight of a certain article, or the contents of various bottles. Occasionally a competition for clerks only, combining instruction with amusement, is thrown in. A number of specimens of various drugs or galenicals will be exhibited, and the clerks have to identify them. This is productive of much amusement when, as is frequently the case, the clerk's knowledge of materia medica is strictly limited. The prizes for these contests vary from one dozen pounds of fluid extracts to a gross or so of vials, or a box of cigars. Much ingenuity is expended in devising new and original competitions. There are fat-men's races, hen races, ice races, nail-driving contests for ladies (with special prizes to the ladies who smash their thumbs), needle-threading contests for gentlemen, and throwing contests for ladies, the prizes for the last being awarded to the lady who throws the way she looks, and to the one who hits somebody behind her. A tug of war is usually one of the features, the winners being required to distribute the contents of a barrel of beer, which is generally donated by one of the firms manufacturing the so-called "malt-

The Delegate from the "Deutsche Verein."

extracts." At the usual banquet or barbecue a prize is given to the biggest eater, and the prize nearly always consists of 1 lb. of pepsin. To the ugliest and handsomest persons present prizes are also awarded, the gentleman securing the former prize usually receiving a dozen "blush

of roses" or similar toilet-adjunct. Special prizes are also offered for travelling-men; these usually consist of several bottles of "rye."

The selection of the ugliest man in some of the Western States is a matter of no small difficulty to an Eastern man, owing to the curious hirsute adornments of the former. The principal products of the West are corn and cranks, whisky and whiskers, especially the latter. A few specimen types are furnished by an obliging newspaper-man. The variety illustrated in No. 1 is that known as the "sponge-like

No. 1.

No. 2.

growth of chin-whisker." This form is very prevalent, and varies in shape from a simple globe to a prolate spheroid. Its distinguishing characteristics are elasticity and impermeability to liquids.

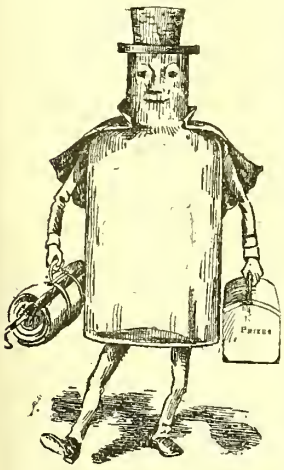
Design No. 2 is also common, and originates in those parts of the country where the cyclone or tornado is fre-

No. 3.

No. 4.

quent. It is caused by the constant current of air blowing upward, and hence the poetic sweep of its curves. In Kansas it is particularly common, as the wind in this State blows so hard and so frequently that is no uncommon occurrence, so the papers say, for a man to be blown up against the side of a house, and held there by the wind until he starves to death.

No. 3 is pathetic, commemorating, as it does, the death of a gentleman in Arizona as a consequence of "borrowing" a horse. Design No. 4 is raised by those who are candidates for offices, and is indicative of the clean sweep which the owner expects to make at the next election.



Coming Home from the Association Meeting.

The crop of "windsifters" includes other varieties, but the above are the principal ones, and in a beauty competition play a prominent part.

At these State Association meetings pharmacists of all nationalities are to be found, but the majority are either American or German. To draw the latter element special events in the sporting line are put on the programme, and include fat-men's races (the extraordinary affection between the Teuton and the beer-cask causing considerable circumferential growth), shooting contests for the benefit of the ex-army men, and sundry other national sports.

An account of these meetings is not complete without mention of the hospitality of the travelling-men. These representatives are to be found at every association meeting, where they generally secure the best rooms in the hotel, and dispense to each and all cigars and refreshments out of a bottle all through the meeting. Many a traveller secures an order from an otherwise intractable druggist through the medium of the State meeting and the hospitalities added thereto. The few days spent at one or other of the Association gatherings will send the delegate back home, or, as the secretary's circular reads, after receiving "social, professional, and recreative vigour, and with youth renewed and stiffened limbs regaining elasticity under the life-giving influences of the State Association."

Photographic Notes.

BY A PHARMACEUTICAL CAMERIST.

Dark-rooms.

The following chemists have dark-rooms attached to their pharmacies:—

Blairgowrie: J. D. Petrie.
Colne: T. Stuttard, Albert Road.
Falmouth: John Blamey.
Lichfield: A. E. Marshall.
Stroud: S. J. Coley.
Teddington: Mr. William E. Gould, 1 Broad Street.
Wellington, Salop: James Bates (Limited).

I was at the meeting of the Hackney Photographic Society recently when Mr. Hensler, in the course of some remarks on toning, gave the following formula for a

Platinum Toning-bath,

which, as it differs from the one I had hitherto used, I tried, and found it gave very even tones:—

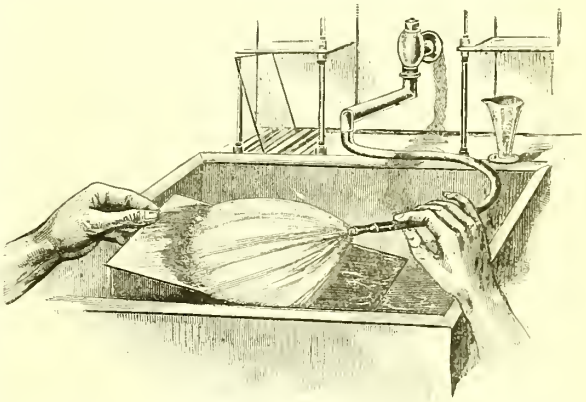
Chrome alum...	50 gr.
Chloroplatinite of potassium ...	2 gr.
Water	10 oz.

Mix.

The prints are washed till the water ceases to be milky, and then immersed in the toning-bath. After toning, the lecturer recommended a "stop" bath of washing soda ($\frac{1}{4}$ oz. to Oj.), taking care to rinse the prints before fixing, which is done in a "hypo." bath 3 oz. to the pint.

The "Water-brush" Washer.

I have had a bit of a run recently on the "Ball-nozzle" water-brush, which is just the thing for washing plates. This illustration shows how it is done. The water-brush is a



modification of the syringe-tube introduced by the British American Ball-nozzle Company, 3 Farringdon Avenue, E.C., and is made by them to retail at 2*s.* 6*d.* The great advantage of it is that, while thoroughly flooding the gelatine surface, its force is so gentle that it does not blister, nor frill the edges.

GOLD MEDALS 1884-1885-1886-1888.

"SANITAS" TRADE MARK.

DISINFECTANTS

"SANITAS" EUCALYPTUS PREPARATIONS.

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Kingzett's Patent Drain Testers,
Patent Preserved Peroxide of Hydrogen,
Mercuric Bactericide, Eucalyptus Oils.

L. G. B. Corrosive Sublimate, Permanganate of Potash, Carbolic Acid } Soluble Antiseptic Pellets.

"Okol" and "Creocide" Fluids and Powders; Chloride of Zinc; Carbolic Fluids, Powders, Acid, and Soaps; Soluble Carbolated Creosote; Moth Paper; Weed Destroyer, Sheep Dips, &c.

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"Absolutely Pure."—A. URE, M.D., F.R.S., L. THOMPSON, M.R.S., Analytical Chemists.

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Which all Chemists ought to have and to read as faithfully as their British Pharmacopœia, viz.:—

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HANDY BOOK OF MEDICINE STAMP DUTY.
2s. 6d., by post 2s. 9d.
By E. N. ALPE, Solicitor's Department, Board of Inland Revenue (with Supplement expounding the Law and Practice to date).

MANUAL OF PHARMACEUTICAL TESTING.
2s. 6d., by post 2s. 9d.
By BARNARD S. PROCTOR, F.I.C.

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For the same reason you can't make money if you don't use

Fletchers' Concentrated Liquors.

BRITISH PHARMACEUTICAL RECIPROCITY.

V.

IN previous articles we have endeavoured to show the conditions under which pharmacy is practised in those parts of the British Empire where pharmacy laws are in force, and a striking feature about the conditions is that they are more or less related to those imposed by the Pharmacy Act of 1868. Whether by design or accident, the methods by which chemists and druggists qualify throughout the empire are in essence the same. The differences in detail noticeable occasionally in the colonies are generally for good. The pre-pupilage Preliminary examination of Tasmania and Victoria, the four-years' apprenticeship in the majority of colonies and dependencies, and the collegiate training are points for which home educationists have agitated, and it seems unquestionable that if Imperial Pharmaceutical Reci-

procity ever comes into the region of practical politics these will be made universal conditions. But we do not conceal from ourselves that we are still far from a business-like consideration of the matter. A letter or two addressed to the Pharmaceutical Society of Great Britain will not bring it about, for the Council of that Society cannot advance far without a conference with representatives of all the bodies concerned, and our inquiries show that this is impossible in the meantime, not a single society outside the British Isles being prepared to send a delegate to a conference in the event of such a thing being deemed necessary. That is not surprising, for a conference in London would be a costly affair for the Societies concerned in it, and the question is not yet ripe enough for such an undertaking. Until a general measure of Imperial Federation is adopted it is impossible to realise by what means an Imperial pharmaceutical qualification could be created. Anything that can be done must, therefore, be apart from legislation and under existing statutory powers. We take it that the appeal by the Australasian Societies to the Pharmaceutical Society of Great Britain puts the initiative into the hands of that Society. How far can it go to promote the desired end?

First, in respect to Preliminary examination it is desirable that a uniform standard should be adopted throughout the empire; and, to push this on, an inquiry should be made to ascertain which of the existing examinations approach a common standard, and with slight modifications these might at once be brought into line. Were this done the unrecognised examinations would most likely be raised to the common standard. The examinations of Great Britain, Ireland, Ontario, Quebec, New South Wales, South Australia, Victoria, and Tasmania are almost on a level, and might make a beginning.

Second. It seems desirable that a uniform period of pupilage should be agreed on. The British Society has unfortunately set a low standard in this matter by asking evidence of three years' dispensing, and not insisting upon the period being passed under a qualified person. We recognise our Society's difficulty in the matter, for it is open to question whether the Pharmacy Act authorises this condition at all. Still, it exists, and might as well be four years with a qualified person as three years with anyone. The Irish Society insists upon the four years' condition, and so do several of the colonial bodies. Here a measure of uniformity could be obtained without fresh legislation.

Third. Reciprocity amongst individual bodies must precede an Imperial movement. Our British and Irish Societies are as wide apart as London and Toronto, and they must agree before the colonials are taken in. The several Boards in our North American Dominions should devise a scheme of inter-Dominion reciprocity before Great Britain and Ireland join them; so, too, the South African bodies and the Australasian and New Zealand Boards and Societies. Nowhere, except in the Antipodes, is there a sign that this partial reciprocity is seriously desired. The feeling is growing there, and if only the idea of absorption of the small bodies by the large ones could be kept out, the consummation would not be long delayed.

We said at the beginning of this series of articles that the question is to a large extent a sentimental one, and it probably never will be settled without the sentiment which has given it origin—viz., the desire to bind Britishers closer together. Were we to consider the question solely from the view of practical necessity, things might as well stop where they are; but precedent in regard to medical registration has shown that there is utility in recognition of Canadian, colonial, and Indian qualifications, and we ask no more for pharmacy than that the Pharmaceutical Societies at home should follow lines similar to those adopted by the General Medical Council, and that our *confrères* abroad should put the British and Irish certificates on an equal footing.

DEGREES FOR THE AMBITIOUS.

Since the note in our issue of July 3 on the degrees of the National University, Chicago, which were offered *in absentiâ* through advertisements in London daily papers, a question about the matter has been asked in Parliament, and the *Daily Chronicle*, following it up, has, in reference to it, interviewed Mr. Mendel, of Lee, who acted as agent. Mr. Mendel states that his connection with the matter began when he applied to the first agent of the College (the Rev. S. Horne, *alias* Rogers, who is wanted by the police) for the degree of Ph.D., and he obtained it for 18*l.* 5*s.* 8*d.*, when he had sent in a German translation. The degree was accompanied by a diploma of large size, and Chancellor F. W. Harkins, Ph.D., D.D., informed the recipient that it conferred the privilege of wearing a hood, generously adding that "the colour of our Ph.D. hood is olive-green velvet, lined with orange silk, Oxford cut," and that he would give Mr. Mendel 25 per cent. commission on any fees from friends whom he might introduce for similar degrees to that which he had obtained. Mr. Mendel introduced two, but did not get the commission, although his friends got their degrees. Chancellor Harkins, however, wrote exceedingly patronising letters to him. About the end of June Mr. Mendel, who did not like the look of things, wrote to the Chicago police asking for particulars about Harkins and was informed that they had "investigated the National University some time ago, the man who represents himself as Chancellor having had some trouble with our local Board of Education." He was also informed that the Edinburgh police had been put on the track of S. Horne, otherwise known as Rogers, and that the charter granted by the State of Illinois does not give the university "any particular precedence." Still the Chancellor hung on to Mr. Mendel, and wrote him many letters belittling the exposure which had been made here, and magnifying the National University of Illinois. Now the Chancellor needs another English agent, for Mr. Mendel, being an honest man, and a teacher (as far as we can gather), and "the Rev. S. Horne," *alias* Rogers, a fugitive from the police, there is none to bring before the British public the inestimable benefits of the diploma which is "really a work of art," of that "olive-green velvet hood, lined with orange silk, Oxford cut," and of the conceit of writing Ph.D. after one's name—all of which Chancellor Harkins offers *in absentiâ* for 18*l.* 5*s.* 8*d.* It is possible that even the formality of a translation from the German would be waived if the Chancellor were approached judiciously, for he is one of those rare men of learning who have become contemptuous of their environment, and long greatly for a little more of the worldly lucre. He has also D.D., M.D., and other degrees to dispose of, and will confer them on equally easy terms as to qualification.

THE UNQUALIFIED MEDICAL DISPENSER.

The *Medical Press and Circular* makes the following cogent comments upon this subject:—

The employment of assistants without any technical training in pharmacy as dispensers to medical men has always been a sore point with pharmacists, and we can, to some extent, sympathise with the feeling of jealousy aroused by the absence of restrictions on the one hand, as contrasted with the irksome enforcement of the law as applied to themselves. Theoretically, it would perhaps

be difficult to justify the latitude allowed to medical practitioners in this respect, especially as errors must have much less chance of detection, seeing that the culprit and the detective stand to each other in the relationship of employer and employed. In practice, however, we do not believe that the employment of unqualified assistants—meaning, thereby, persons who do not hold a pharmaceutical qualification—involves any tangible amount of risk to the public. Although not in possession of a diploma the assistant has almost invariably gained a working knowledge of the art of dispensing, and can safely be entrusted with the prescriptions of his employer. At the same time, the legal status of these assistants is certainly open to question, at any rate in dispensaries and open surgeries, where the dispenser is also technically the seller of the medicine. The sale of a mixture containing a scheduled poison under these circumstances might conceivably bring the assistant within the purview of the Pharmacy Act. . . . Judging from the correspondence in the leading pharmaceutical organ of Great Britain, there is a disposition to urge the Pharmaceutical Society to try conclusions on this point. We have no objection to the elucidation of the law on the subject of the employment of unqualified dispensers, but we apprehend that, except in the case of open surgeries, repression will be found a difficult matter, not only by reason of the ambiguity of the law, but also on account of the technical obstacles in the way of obtaining the necessary evidence.

We are glad to note that our medical contemporary recognises the doubtful legality of much of the dispensing now done under the sanction of registered medical practitioners. We believe that it is illegal, therefore should be stopped. The Pharmaceutical Council may not be eager to enforce this particular claim; but they had the same feeling in regard to the chemist's unqualified assistant, and with a little pressure might overcome "the technical obstacles" in this case also. It is worth trying, at any rate.

CARBOLIC-ACID POISONINGS.

The poisonings by carbolic acid, intentional and accidental, continue to increase in number. We have latterly ceased to record them in full, for they presented a fearful monotony of detail, and no good purpose seemed to be attained by the constant repetition. Four deaths from carbolic acid have been reported from the Liverpool district alone within the past week or ten days, and the Coroner and juries of that city must be getting weary of constantly reiterating their recommendation that the sale of the poison should be placed under some restriction. The Liverpool *Courier* discusses the subject in a recent editorial. It states that

about forty-six years have elapsed since arsenic was made the subject of really restrictive legislation because of the frequency with which it was employed as a poisoning-agent. In fact, it was the most generally adopted resource of persons who desired to help others out of the world. In 1868 the regulation of the sale of many poisons was made more systematic and stringent by the passing of the Pharmacy Act. But experience has not vindicated the efficiency of the Act, even with the fresh restrictions added to it twelve years back. Arsenic has since had many victims, as have some of the other drugs comprised in the category of restriction.

The *Courier* agrees with the juries that something ought to be done, but does not seem to think that scheduling under the Pharmacy Act is exactly the right thing. The writer, however, does not appear to have anything better to suggest. The best reply to the comments of the Liverpool *Courier*, which seem intended to discourage the only possible method of restricting the terrible popularity of this cruel poisoning-agent, is to quote from the latest returns of the Registrar-General, which show that in 1895 scheduled arsenic was the cause of seven deaths in England and Wales, while simultaneously non-scheduled carbolic acid occasioned 258 deaths.

BILE AS AN ANTITOXIN.

Professor T. R. Fraser, of Edinburgh, in his researches upon the venom of serpents ascertained that the bile of serpents was an antidote to the toxins of the venom, and recently expressed the belief that bile would be found to possess antitoxic properties against the toxins of disease, such as diphtheria, tetanus, &c. He has now obtained proof of this (*Brit. Med. Jour.*, page 595). He mixed lethal doses of diphtheria-toxin with dried bile of normal rabbits ($2\frac{1}{2}$ to 5 centigrammes of bile per kilo. to 0·15 c.c. of toxin), and the mixture when injected only caused temporary feverishness. Professor Fraser has already shown that the bile of serpents contains a constituent or constituents which possess in a concentrated form the antidotal qualities of the bile itself. He has now separated from ox-bile a constituent which likewise possesses antivenomous qualities in a more powerful degree than the original bile, and he says there is reason to believe that, in addition to its generally recognised functions, bile possesses the power of rendering inert such organic poisons as venoms and disease-toxins. This observation, following so closely upon the success of the bile-treatment of rinderpest in South Africa, seems to open up a new line of medical treatment.

A NEW ELEMENT.

Mr. G. G. Boucher, chemist to the North Lonsdale Iron and Steel Company, Ulverston, thinks he has discovered a new element, and he tells the *Chemical News* all he knows about it. He has found it in cast iron and in blast-furnace boiler-dust, but not much, the percentage obtainable from cast iron ranging from 0·0033 to 0·006, while iron ore yielded only 0·0019 per cent. The element is a metal which occurs as a black powder, the oxide being a yellow powder which melts at a low temperature, and on cooling forms transparent colourless crystals. So far Mr. Boucher has relied upon reactions for the distinction of the metal from all others, and he gives the following as the most characteristic reaction:—

Add a few drops of H_2SO_4 to the chloride or nitrate. On evaporating down till fumes of H_2SO_4 are driven off, and allowing to cool, the liquid assumes after a short time a most magnificent blue colour. Very minute quantities of the metal can be detected by this means. The same colour is produced by evaporating down two or three times with HCl to very nearly dryness. The colour is entirely destroyed by the addition of water.

Sir William Crookes has obtained a small quantity of the metal and is to examine it, but his holiday in the island of Sark has doubtless prevented him from making haste to corroborate this wonderful discovery.

THE ASSISTANT'S PLAINT.

We have some sympathy with the chemist's assistant who writes from Manchester to Mr. Jerome K. Jerome about loneliness, a condition which that versatile author is endeavouring to mitigate through the columns of his journal. "J. M.," the assistant, writes:—

I know from experience what this loneliness is. I am a chemist's assistant, and have not a great deal of time for making friends, for I do not finish until 9 P.M. I have only been in Manchester three weeks; my last berth was in Cambridge, eighteen months, and not a single friend did I make. I am getting quite used to it now, and do not mind the loneliness so much as I used to.

We daresay there are hundreds in the drug-trade who can echo these sentiments, but it is a question if they have not themselves to blame for their loneliness. In Cambridge, for example, there is a chemists' association which meets a few times a year, and it was possible surely for "J. M." to have made some acquaintances there. It is a common complaint amongst association officers that new-comers do not make themselves known, and now that another winter session is coming on we would advise the "J. M.'s" of the trade to try how far a little energy and pleasantness on their part will go in counteracting the lonely fits.

THIS IS NOT A REVIEW.

Messrs. Ward, Lock & Co. (Limited) have misnamed their new penny handbook. They call it "The Toilet, containing

hints and advice on health, beauty, and dress, with innumerable recipes for the toilet-table." They should have said—innumerable recipes for worrying the druggist. It is a wonderful book, as absorbing as "The Christian" and as amusing as "The Wizard of the North." Every chemist and druggist should get a copy of it. It will tell him many things that he never knew before, show him a literary style which is unique, and bring him into touch with a class of customers whose minds he has hitherto found it difficult to fathom. It is these people, by the way, who believe that the best cold-cream can be made at home, according to "The Toilet," thus:—

Get ½ lb. of the very best lard, put it in a basin, pour on it boiling water, and when cold drain it off. Repeat this process twice; then, after quite freeing the lard from water, beat it to a cream with a fork, and scent it with essence of bergamot.

They can be forgiven for that because when baldness threatens them they may wish to try the French remedy—shaving and application of "equal parts of chloroform and crystallised acetic acid." Or they may try to make a soap-factory of their heads in this way:—

Soak the whole of the head in carbolised oil at bedtime, and over it put an oilskin cap to prevent the oil from soiling the pillow. In the morning apply some liquor potassæ by means of a brush, and in ten minutes' time wash it thoroughly off with hot water and liquid soap, at the same time removing as much of the scaly substance as possible. Dry the hair well, and then apply the following lotion to the roots of the hair with a sponge:—Glycerine, 1 oz.; pinol, 3 dr.; tincture of lavender, 4 dr.; water, 6 oz.; extract of hamamelis, 2 oz.

This is "one of the best methods of removing scurf." There is a great deal more original information of this kind in "The Toilet" but we have quoted enough to show chemists and druggists why they, as guardians of the public safety in the matter of drugs, should invest a penny in this latest freak in cheap literature.

NEW STROPHANTHI.

By a strange coincidence there have simultaneously appeared in the organs of the British and German Pharmaceutical Societies notes on two new species of strophanthus. In the former Mr. E. M. Holmes describes *Strophanthus Nicholsoni*, which Dr. T. G. Nicholson brought home with him from Central Africa. Although it is a new species, the seeds resemble those known as "white-woolly" strophanthus. The fruit is 14·27 cm. long, and the seed 15 mm. long by 5 mm. across. The strophanthus described in the *Apotheker Zeitung* (from a French source) was brought from the Congo, and is also named after the man who found it—*Strophanthus d'Autran*. It resembles in many respects the one which Mr. Holmes refers to, the fruit being 15·5 cm. long, and the seed 12 to 14 mm. long, 4 to 5 mm. broad, and 2 to 3 mm. thick. It differs, however, from Mr. Holmes's new species in giving a green colour with sulphuric acid: *S. Nicholsoni* seed gives a pink colour.

"'WARE, SMOKERS."

A Paris correspondent of *To-day* sandwiches the following warning between whisky and cigarette advertisements:—

There are microbes in amber—at least, so M. Beauregard tells the French Institute. So far, he has not found any in yellow amber, but the *ambre gris* he declares to be nothing more nor less than an annual meeting place for every numbered and catalogued microbe. They make some funny discoveries, do these scientists.

Not so funny as paragraphists' discoveries, however. We may hear more about this one of *To-day's* correspondent, which would interest the public more than the truth of the matter, which is that there is abundance of micro-organisms in ambergris.

THE ALOINS.

M. E. Léger criticises the literature of the aloins in a lengthy paper communicated to the *Journ. de Phar. et de Chemie* (page 153). Beginning with T. and H. Smith's discovery of barbaloin in 1851, and Groves's isolation of socaloin five years later, he refers in succession to the work of Tels (curaçaloin) Histed (zanaloin), Flückiger and Tilden (nataloin), and Groenwold. The work of the two last mentioned, taken together, establishes the identity of the five kinds of aloin; but there remained some doubt as to the constitution of the substance, and it was this that M. Léger set himself to solve, especially to determine the amount of water of crystallisation. Starting with 2 kilos. Barbadoes aloes, he exhausted it with 4 litres of acetone and a few grammes of glacial acetic acid; the crude aloin (left insoluble) was subsequently purified by three crystallisations from pure methylic alcohol and dried over sulphuric acid. On combustion the product was found to give numbers agreeing with Groenwold's formula, $C_{16}H_{16}O_7.H_2O$, but when crystallised from water it is $C_{16}H_{16}O_7.\ 3H_2O$. M. Léger proceeds to speak of the derivatives of barbaloin. He has prepared benzoyl and diacetyl barbaloins, and questions the existence of the tri and hexacetyl derivatives previously recorded; but he records the discovery of two isomeric aloins—one crystallising from methyl alcohol with H_2O and the other with $3H_2O$—and he suggests that socaloin and zanaloin are mixtures of these in variable proportions.

TABLOID TROUBLE IN GERMANY.

At the recent meeting of the German Apotheker-Verein at Strasburg, Dr. Tschaschel, of Wilsdruff, brought before his fellow-members the question of the importation of foreign medicines. He specially referred to the manufactures of "the English firm Burroughs, Wellcome & Co.," for whom Linkenheil & Co., of Berlin, are general agents in Germany. The firm have recently distributed amongst medical men there their "Excerpta Therapeutica," in which the properties and uses of the tabloids are described. Some of the tabloids contain medicines which are included in Tables B and C of the German Pharmacopœia [those in Table B must be kept under lock and key and dispensed very carefully, and those in Table C have also to be dispensed carefully.—ED.] He therefore moved that the Executive of the Verein should take steps to prevent the introduction of these articles into pharmacies, and explain the state of the case to medical men. He mentioned that he had bought a bottle containing twenty-five morphine tabloids, which professed to contain 1 centigramme of morphine hydrochloride in each. The tabloids weighed 5 centigrammes, and therefore it was clear they contained some other substance besides the alkaloid, so that the pharmacist could not take any responsibility for them. Moreover they were to some degree variable in weight, so that the dose would not be exact. A long discussion followed, members from all parts of the country taking part in it, and in the course of the discussion it was mentioned that the Frankfort pharmacists put a red wrapper on the tabloid-containers bearing the words "Für den Inhalt nicht verantwortlich" (not responsible for the contents). An Elberfeld pharmacist said that in that town they had informed the physicians that they made such preparations themselves, and would only dispense the ready-made ones if they were expressly ordered. Mr. Jungclaussen, of Hamburg, said the medical society of that city had issued a circular to the physicians there pointing out that if they prescribed packed medicines they took a special risk, for the apothekers could not tell what such medicines contained. He mentioned that the matter had been taken up with earnestness by Councillor [illegible]istor, of Berlin. One speaker advocated that the importation of such medicines should be stopped altogether, but another objected that Germany exported ten times as much medicine as she imported, and that such a law might lead to reprisals. Ultimately the reference to the committee was unanimously agreed to.

A GROCER'S GRIEVANCE.

Messrs. William Jackson & Son, grocers, of Carr Lane, Hull. have a pathetic pity for themselves, in which we also share to a certain extent. They, or their assistant, sold a bottle of Kay's essence of linseed, and also a bottle of Winslow's syrup, to someone from Bloomsbury Square, which little transaction cost them 10*l.* 5*s.*, besides a fee to their own legal adviser for telling them they had no remedy but to pay. All the consolation they get is writing a letter to the *Grocer*, calling on the trade to recognise them as martyrs. "We are licensed patent-medicine vendors," they say; "that is to say, for a fee of 5*s.* per annum for each shop we are allowed to sell patent medicines, and yet when we do so we are fined 5*l.* for each offence." So now they thirst for revenge, the logical form of which would be, we should have thought, to inform the Board of Inland Revenue that they would not take any more of their wretched misleading licences. But, curiously enough, William Jackson & Son do not manifest any malice against the Board of Inland Revenue; instead, they denounce "the cowardly and un-English" conduct of the Pharmaceutical Society, who, at all events. are not responsible for granting these patent-medicine licences; and then, to cap the climax, they intimate that their vengeance shall take the form of refusing to subscribe to the Proprietary Articles Trade Association! This is going one better than Lord Byron, who declared that his Curse should be Forgiveness; but he did not propose further to fight the foes of his forgiven enemies.

The Board of Trade and Commercial Intelligence.

A CIRCULAR has been addressed to the various chambers of commerce throughout the United Kingdom by Sir Courtenay Boyle, as Chairman of the Commercial Intelligence Committee, stating that the Board of Trade has appointed a committee, consisting partly of officials, partly of commercial representatives, to consider and advise as to the best means of procuring and diffusing among British traders at home more prompt and accurate information than is at present available from public sources respecting supply and demand in colonial and foreign markets, and as to the desirability of instituting some exhibition or museum of samples. Various representations and suggestions have been made from time to time to the Board of Trade, the Foreign Office, and the Colonial Office, and Her Majesty's Government are anxious to do all that can reasonably be done to meet the wishes of British traders and to further their interests; but it is necessary in the first instance to ascertain to what extent representative associations, as well as the individual traders, are prepared to co-operate with the Government; in other words, whether there are by common consent definite wants to be met and defects to be remedied, in meeting and remedying which a moderate expenditure of public money may reasonably be incurred. Accordingly questions have been drawn up for submission to the various chambers of commerce, and chambers are invited to give them careful and early attention, and to send the answers to the Secretary to the Commercial Intelligence Committee, Board of Trade, 7 Whitehall Gardens, S.W., if possible before October 1 next.

It is added that the committee propose to take oral evidence during the autumn.

The questions appended to the circular are:—

1. Do you consider that British traders can be more adequately supplied with commercial intelligence?

2. Do the present consular and colonial reports, in your opinion, require amending or supplementing in any points, and would it be an advantage to the commercial public that these reports should be summarised so as to collect together all the information bearing on this or that particular subject or industry?

3. Do you consider that substantial advantage, justifying expenditure of public money, would result from—

(*a*) The appointment of special commercial agents in the British colonies, and, as is already the case to some extent, in foreign countries?

(*b*) The employment of special agents on special missions to this or that country in connection, first with one industry, then with another?

(*c*) The establishment of a commercial inquiry office?

(*d*) The establishment of a museum of samples with local museums affiliated?

4. How far do you consider it of importance to obtain very speedy information? In other words, is it probable, in your opinion, that telegraphic intelligence will constantly be in demand?

5. Can you make any further suggestions bearing on the subject of the inquiry?

The Merchandise Marks Act.

THE report of the Select Committee appointed to inquire into the effects and operation of the Merchandise Marks Act 1887, and into the subject of Merchandise Marks generally, have issued a report expressing the opinion that the operation of the Merchandise Marks Act of 1887 has been on the whole beneficial. Three members of the Committee (Sir Charles Cayzer, Mr. Charles Wilson, and Mr. John Wilson, of Govan) were not in agreement with this opinion. The majority hold that there is abundant evidence that the Act has to a great extent stopped the fraudulent practices against which it was directed, especially in regard to the imitation of proprietary trade-marks and false trade descriptions. Notwithstanding, therefore, that the competition of improperly marked foreign goods is still in some cases injurious, and that merchandise-marks legislation has made little progress outside the United Kingdom, India, and the British Colonies, the balance of the evidence is in favour of retaining the greater portion of the Act.

A large part of the objections offered to the Act have been from those engaged in the transit trade, who allege that their business is hindered by the opening of packages and the examination of their contents, sometimes resulting in their permanent damage, and that such goods are thereby diverted to routes which do not pass through the United Kingdom. In fact, the transit trade has not kept pace with the expansion of the export trade of this country, if it has not actually declined. The Committee are not disposed to attribute such a result entirely to the operation of the Merchandise Marks Act, and they point to the increase of bounties and sudsidies granted by foreign Governments to their national lines of shipping, expressly designed to foster foreign trade in national bottoms, and officially declared to have done so. But they come to the conclusion that the examination of goods in transit cannot do much good, and may do some harm, and they recommend the abandonment of such examination. The Committee think further that it is not necessary to insist upon qualifying words in all cases of goods of foreign origin intended for sale in this country, merely because they are marked with English words of description, "unless such words are calculated to deceive the purchasers in regard to the country of origin." Unless the Customs can see their way to adopt this suggestion, the Committee will recommend an amendment of the Act in this respect. The Committee further see no objection to firms in this country putting their names on goods of foreign manufacture, "provided that some such words as 'sold by'" are added. (Apparently, the Committee agree that in such cases the name of the country of origin need not be added.) Lastly, they recommend that to prevent the advertisement of foreign countries, which it is alleged in many quarters has been the result of the Act, the words "Made abroad" shall be substituted for the words now used specifically indicating the country of origin. The Committee mentions that memorials have been addressed to them by companies and shipowners representing that the cost of the examination of merchandise by the Customs for revenue purposes, which at present falls upon the importers, ought in fairness to be borne by the

public, especially in view of the large subsidies, bounties, and special facilities given by foreign Governments for the encouragement of seaborne-trade. As the relief prayed for does not come within their Order of Reference, the Committee do not make any recommendation regarding it, but have printed the memorials with their report.

Trade-Marks Applied for.

(*From the "Trade Marks Journal," September* 8, 1897.)

Sketch of deer; for chemical substances used in manufactures, photography, &c. By Scourso, Howard & Co., 22 Great St. Helens, London, merchants. 205,455.

"DAGGER" and sketch of same; for chemical substances, &c., but not including any goods of a like kind to disinfectants. By W. Bevan & Co., Eagle Chambers, Swansea, chemical-manufacturers and merchants. 205,628.

"HYCAYOL"; for a chemical substance used in pharmacy and for veterinary purposes. By W. Pearson, 4 Rue Lesneur, Paris, chemist. 205,688–9.

"ZIMLENE"; for veterinary preparations. By William Poppelreuter, 54 Portland Street, Manchester, general merchant. 206,375.

Representation of two beetles, one being in bed; for an insect-powder. By E. H. Hale, trading as H. Weekes & Co., 24 and 25 Fenchurch Street, London, E.C., merchant. 205,411.

"BYKOS"; for headache-powders for human use. By C. E. Wilkinson, 17 High Street, Hemel Hempstead, chemist. 205,737.

Medallion-shaped portrait and wording; for pills for human use. By T. W. Clarke, 3 High Town, Hereford, chemist and druggist. 205,739. Essential particular, the device.

"KEN-JAK"; for a medicated compound for human use. By J. B. Brown, 53 Church Street, Blaydon-on-Tyne, solicitor, and J. K. Guthrie, Wylam-on-Tyne, mining engineer. 206,062.

"EKA"; for iodoform, being a medicinal preparation for human use. By the Chemische auf Actien (vormals E. Schering), 171 and 172 Müllerstrasse, Berlin, manufacturers. 206,418.

"—E—DUCO—," and figure of girl at spinning-wheel; for bandages, knee-caps, belts, and other coverings worn next the skin. By the company trading as "Ickringill's Patent Hygienic and Elastic Cloth Syndicate (Limited)," 35 Devonshire Street, Keighley, Yorkshire. 205,192.

"COBO"; for a compressed tablet, not medicated, for allaying thirst. By N. S. Goosey, trading as Gregory & Co., 20 Primrose Hill, Northampton, colliery agent. 205,929.

"LEURICE"; for a flavouring-powder for ices and the like. By Huband, Thompson & Co., 124 Pershore Street, Birmingham, manufacturing chemists. 206,372.

"NUOFYLL"; for a bleaching-agent and anti-oxidiser for household soap. By Martin Perls & Co., 62 and 63 Basinghall Street, London, E.C., chemical-manufacturers. 206,690.

"ISBJÖRNEN"; for perfumed soap. By J. Crosfield & Sons (Limited), Bank Quay, Warrington, soap-manufacturers. 206,672.

"MAGPIE"; for perfumed soap. By C. Thomas & Brothers (Limited), Broad Plain Soapworks, Bristol. 206,739.

"REBS"; for perfumery, toilet-articles, soap, &c. By Otto Mönsted, Margarine-works, Norwood, Southall, Middlesex. 206,825.

Marriages.

KEOWN—ROWE.—On September 1, at Monaghan Methodist Church, by the Rev. R. Orr, Thomas Martin Keown, M.P.S.I., Monaghan, to Helen, fourth daughter of J. D. Rowe, Killygoan, Monaghan.

WALKER—SEDGWICK.—At Godalming Parish Church, on September 1, by the Very Rev. the Dean of Cashel, uncle of the bride, assisted by the Rev. B. J. Bootle, M.A., James Walker, D.Sc., F.C.S., Professor of Chemistry, University College, Dundee, to Annie Purcell, eldest daughter of Lieutenant-Colonel Sedgwick, late R.E., of Elmcote, Godalming.

Deaths.

CLARKE.—The Rev. T. J. Clarke, M.A., Vicar of St Paul's, York, who died on September 2, at the age of 61, was the son of the late Mr. Clarke, of the firm of Butterfield & Clarke, wholesale chemists, York. He had carried on a labour of great usefulness in York for the past twenty years, for a large and populous district springing up around him in what is known as the "foundry" district, he secured an additional church, and filled up a void thereby which had become much needed. He was generally revered by his clerical brethren and lay friends.

FOXCROFT.—On August 24, Mr. Elijah Foxcroft, chemist and druggist, Skipton (Yorks). Aged 69.

HARRISON.—On September 4, Mr. John Moore Harrison, chemist, 52 Boundary Road, Derby. Aged 71. Mr. Harrison, in addition to being a chemist, was the proprietor of the Cosmopolitan Hall. For the past week or two he had been ailing. On Saturday morning he went to an outhouse, and some time afterwards was found by his daughter in a dying condition. His face was purple, and upon a doctor being summoned he said it was a case of apoplexy. Death took place shortly afterwards. At the inquest held on September 6, medical evidence showed that death was due to apoplexy, and the jury returned a verdict to that effect.

HOARE.—On August 31, Mr. W. Parker Hoare, chemist and druggist, Church Street, Cromer. Aged 43. Mr. Hoare was a member of the School Board and also of the Urban Council.

MATTHEWS.—On August 23, Mr. Theophilus Matthews, chemist and druggist, Cambridge Road, London. Aged 73.

ORDISH.—On August 12, Mr. Thomas Ordish, chemist and druggist, Derby. Aged 45.

PICK.—On August 23, Mr. William Pick, chemist and druggist, Leeds. Aged 27.

QUIBELL.—On August 31, at Highfield, Newark, Mr. Wm. Oliver Quibell, J.P., head of the firm of Quibell Brothers, agricultural-chemical and sheep-dip manufacturers, Newark. Aged 65. Mr. Quibell took an active part in public affairs, and only a few weeks ago resigned his seat as an alderman. He was a Justice of the Peace for the borough, member of the Board of Guardians and School Board, and a prominent Wesleyan.

RAYBOULD.—On August 30, Mr. Joseph Raybould, druggist and drysalter, Kingswinford. The deceased had been for some time in an excited state mentally, and a week before his death he had seriously injured himself by setting fire to some gunpowder. The cause of his death was stated by the doctor, at the inquest to have been cardiac syncope, accelerated by the collapsed condition and exhaustion arising from acute mania. The burns of themselves would not have been sufficient to cause death.

THOMAS.—On September 5, Mr. Watkin Jones Thomas, chemist and druggist, of Tydvil House, Aberdare. Aged 66. Mr. Thomas was the son of the late Mr. Thomas, of The Vulcan, Merthyr Tydvil. He went to Aberdare in 1852, and commenced business as a chemist. In 1859 he was elected high constable of Misken Higher, and was enrolled as one of the first Volunteers in the town on the formation of the Volunteer Corps. He was the oldest Noble Grand of the St. David's Lodge of Oddfellows; chairman of the Aberdare Gas Consumers' Company, of Hicks & Co. (Limited), chemists, of Cardiff, and of the Pendarren Water Company, and director of the Ferndale Water and Gas Company and the Rhymney Valley Water Company.

WILKS.—On July 16, Mr. Robert Wilks, chemist and druggist, the manager of the Thompson Drug Company, Hyde. Mr. Wilks, who was in his 41st year, lived formerly at Skipton.

WOODCOCK.—On August 16, Mr. Joseph Woodcock, pharmaceutical chemist, Leicester. Aged 67.

X-RAY DEMONSTRATIONS are not evidence, a Chicago judge has declared.

The Brussels Exhibition.

THERE are two exhibitions open just now in the Belgian capital. One is the International Exhibition, which is within a few minutes' ride from the centre of the city; the other is the Congolian Exhibition, which is at Tervueren, some eight or ten miles out, and reached by an interesting ride on an electric railway. There are a great many things of interest at the Congo show, but this does not concern us for the moment. The International is large enough and varied enough to furnish a good day's occupation even for the cursory sightseer, and much more for the careful student. The "side shows" of the Exhibition, including a vast number of restaurants and drinking-stands, seem to provide the greater attractions, and old Brussels, "Bruxelles-kermesse" as it is called, which costs 2*d.* extra to visit, is the great feature of the show.

But the Exhibition proper is a very good one, especially as regards Belgian industry. France makes a good display, and Great Britain has the next largest space, covering, it is said, 70,000 square feet. The British section has an attractive appearance, and a great many first-rate firms are represented; but very few of the exhibits are attended, and nothing is moving. The result is a Sabbatic stillness, which makes the department an easy one to study, but which does not seem altogether hopeful for exhibitors.

It would be superfluous to describe in any detail the contents of the showcases sent by the firms connected with our business. The articles shown are mostly familiar to British chemists. One of the best displays is made by Blondeau et Cie., who have fitted up a large covered stand which is placed near the centre of the section. In it their numerous soaps and perfumes are temptingly set out.

For modern scientific pharmacy nothing in the Exhibition surpasses the display made by Burroughs, Wellcome & Co. There is in their well-known Indian carved wood show-case a full line of organotherapic remedies in tabloid form, hypodermic cases, photographic tabloids, and saxin tabloids. Kepler products, Wyeth beef-juice, and Fairchild digestive ferments are also prominent. Various medicine-chests are exhibited, and a particular attraction is a series of photomicros of cultures from the "Wellcome Physiological Laboratory."

The Maypole Company (Limited) are among the very few exhibitors in the British section whose stand is attended. Two young ladies are on hand to demonstrate the rapidity with which the Maypole soap can impart colour to any kind of fabric. It is stated that the present sale of Maypole soap is ten million tablets per annum.

F. Darton & Co. send an interesting collection of the latest things in barometers, thermometers, Röntgen-ray apparatus, kinematograph apparatus, hygrometers, nitrogen thermometers for indicating high temperatures, model electric motors and dynamos, and many other scientific instruments.

Ross & Co., of New Bond Street, have an excellent though not a large display of microscopes, telescopes, photographic apparatus, and lanterns.

Spratt's Patent show their various dog-biscuits; Tidman's their sea-salt and toilet-soaps; the Borax Company their "bi-borax Oriental" and other products; the Patent Borax Company their various specialities for the laundry, the toilet, and the kitchen; the Birmingham Vinegar Brewery Company have a tall pyramid of Holbrook's Worcestershire sauce; and Mr. Stephen Ballard, of Colwall, Malvern, shows pure malt vinegar made with Malvern water.

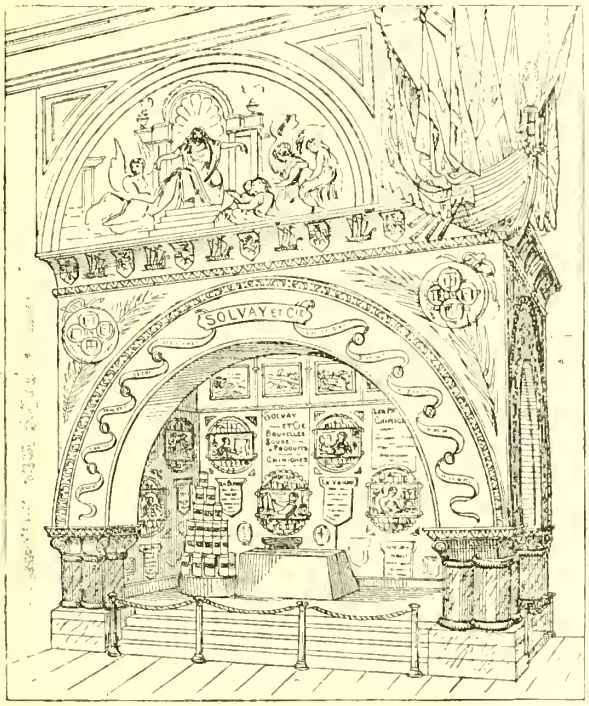
Brand & Co. are prominent with their meat-essences; E. Breffit & Co. exhibit samples of bottles, especially of the various bottles for aërated waters; W. J. Bush & Co. (Limited) have a pretty exhibit of their fruit-essences, and especially of the synthetical products coumarin, heliotropin, aubépine, and vanillin, chemically pure, made by Verley's patent ozone process (these products are manufactured by the Société Anglo-Française des Parfums Perfectionnés, Limited, with whom W. J. Bush & Co. are associated); and F. C. Calvert & Co. show their several qualities of carbolic acid, together with soaps, dentifrices, and medicinal preparations into the composition of which carbolic acid enters.

Fry's cocoa and chocolates, Colman's mustard, and Price's glycerine, with the candles, night-lights, and toilet-soaps also manufactured by the Price Company, make attractive stands. J. C. & J. Field (Limited), the candle and soap makers, are also there; and the European Petroleum Company (Limited), of Dock House, Billiter Avenue, E.C., who, we understand, deal in Russian, Roumanian, and Galician products only, show all the varieties of these oils, and also specimens of their unguentum gelatinosum, chemically pure, ung. paraffini, white, yellow and veterinary, and paraffinum liquidum.

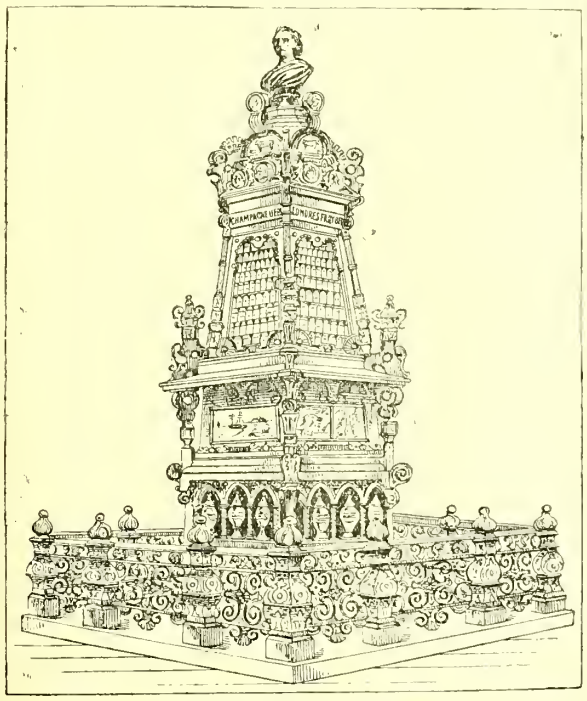
J. Grossmith, Son & Co., of Newgate Street, have a showy little case containing samples of their Royalty patronised perfumes and soaps; the Fullers' Earth Union, of Billiter Square Buildings, show fullers' earth in its natural and manufactured conditions, as well as specimens of oils unrefined and refined by the use of the earth; "Protene," of 87 Edgware Road, a patent "Nature's Food"; and a case of flavouring-essences, sent by G. F. Sutton & Co., of Penton Place, King's Cross, complete the exhibits of druggists' articles in the British section.

The pavilion erected by Solvay et Cie. in the Belgian section is not exceeded in artistic effect by anything in the Exhibition. Our sketch gives an idea of it, but the original is particularly noticeable for its rich and well-blended colours. The soda-products exhibited occupy but very little space. They are shown in glass jars on a stand in the corner. Around the upper part of the inner wall of the pavilion are ranged large photographs of some of the principal works where the Solvay process is carried on.

The factories represented are at Beresinki (Russia), Ebensee (Austria), Lusitschansk (Russia), Syracuse (U.S.), Dombasle S/ Meurthe (France), Couillet (Belgium), Northwich (England), and Ferabnrg (Germany). On the other parts of the wall appear quaint, but finely-executed, pictures of the industries in which soda is largely used. There are, for example, chemical-works, a glass-factory, a paper-mill, a laundry, and a soap-factory. The annual production of soda in the world is said to have now reached a million tons, and fully half of this is obtained by the process invented and perfected by M. Ernest Solvay, who took out his first patent in 1861, and with his late brother, Alfred Solvay, founded his first little factory in 1863.



SOLVAY ET CIE.'S PAVILION.



THE LIEBIG COMPANY'S EXHIBIT.

The Liebig Company occupy a large space in the Belgian section with a very ornamental monument, which has figured at previous exhibitions. It stands in a large carpeted square, where are chairs, tables, and literature, and specimens of the company's products are shown in the upper recesses of the carved tower; while all round its lower faces are interesting views of the various properties held by and the industries controlled by the company.

Under the auspices of the Union Syndicale de Pharmacie an interesting collective exhibit contributed by twenty-five of the principal manufacturers of pharmaceutical products in Belgium has been brought together. M. Derneville, the President of the Union, and also President of the Royal Society of Pharmacy of Brussels, who organised this collection, himself exhibits dragees, coated pills, capsules, hypodermic injections in glass bulbs, lozenges, and medicine-chests. M. Denaeyer, of Brussels, shows peptonates; M. Duyk a urine-testing apparatus; Messrs. Vandenbroeck & Co. their cotton-wool and antiseptic dressings; M. Petit, of Brussels, cachets and suppositories; M. Martin a series of dry extracts protected from the damp by lime-filled stoppers; MM. Pommerenke, Liège, a variety of plasters; M. Thibaut, of Brussels, balances, pill-machines, &c.; MM. Dubois, Posteau et Cie. samples of the medicinal herbs they grow, including chamomiles, balm, marshmallow, coltsfoot, centaury, angelica, hyssop, bitter-sweet, &c.

Business Changes.

Notices of changes in the retail trade, and opening of new businesses, are inserted in this section free of charge, if properly authenticated.

PARKE'S DRUG STORES are about to open a new branch at 316 Kilburn High Road, N.W.

THE business of Messrs. Allen & Co., Tunbridge Wells, has been bought by Mr. J. S. Tute (not Tate as previously reported).

MR. W. N. COOPER, chemist, Kimberley, has opened a branch at Mafeking, Bechuanaland, which Mr. J. E. Jones is managing.

MR. W. H. AUKLAND, 46 Camden Road, N.W., has opened a branch homœopathic pharmacy at 7 Dennington Promenade, West End Lane, N.W.

MR. ALEXANDER REOCH, who has recently returned from Trinidad, has bought Mr. Cowper's drug-business (formerly Mackay's) in Scouringburn, Dundee.

MR. ALBERT J. SALMON, late of Montego Bay, W.I., is now managing a drug and grocery establishment at 73 S.W. corner King and Barry Streets, Kingston, Jamaica, B.W.I.

MR. ARTHUR E. HOUFTON, for some time with Messrs. Treacher & Co., Bombay, and late of Birmingham, has taken over the old-established business in Alfreton carried on for a great number of years by Mr. J. Spencer Robinson.

MR. G. S. BALL, of Albert Terrace, Weston-super-Mare, has taken over the Central Pharmacy, Weston-super-Mare, lately carried on by Mr. W. H. Webb. This business will be managed for Mr. Ball by Mr. Ernest Widgery, pharmaceutical chemist.

MESSRS. MARSHALL & Co., late of Sloane Square, S.W., have opened a new pharmacy at 93 Streatham Hill. The shop is a handsome double-fronted one in one of the palatial blocks of red brick buildings recently erected on the Leigham Court estate at Streatham.

COMMEMORATIVE of the centenary of the pharmacy Mr. Walter Gibbons, Queen's chemist and druggist, 41 Market Street, Manchester, has had the whole of his premises refronted. The two large plate-glass windows are supported on blocks of white marble, and the pharmacy is now one of the prettiest in the city.

Practical Notes and Formulæ.

Papain in Pepsin-essence.

Mr. L. W. Ellery informs the *Practical Druggist* that an intelligent traveller recently told him that the best essence of pepsin always contained a good portion of papain. Mr. Ellery finds that the addition is an improvement.

Pepsin Preparations.

A German pharmacist, who has recently investigated the activity of a number of pepsin preparations, has found that those made with wine retain their activity longest, and considers that a light wine is still the most appropriate menstruum. Incidentally he proved that tea, coffee, and beer retard peptic digestion considerably, beer most of all.

A Cheap Emulsifier.

Mr. John K. Williams, of Hartford, Conn., has told his State association how to make a simple apparatus for preparing emulsions. He took a long, narrow, tin can in which a bottle had been packed, and had a wooden cover, dasher, and handle turned out to fit it on the old-fashioned churn principle. Afterwards he obtained a larger earthenware one for making two gallons of emulsion in three minutes. This is how he makes

Cod-liver-oil Emulsion

with it. Take 3 oz. of powdered acacia, any desirable flavouring oil, and 16 oz. of cod-liver oil. Put all in the dry churn, stir with a spatula to mix; then add all at once 9½ oz. of water, put in the dasher, and churn away, observing to keep the dasher under the fluid while working it. The union is almost instantaneous; but it is best to continue the churning for a few minutes while in this thick state, to whiten the resultant emulsion. After this add, churning in the meantime, the remainder of the water or other fluids, but never add oil or use the measure that the oil has entered without cleansing it first.

Eucaine in Tooth-extraction.

Dr. Herbert Smith, of Ealing, writing to the *British Medical Journal*, states that cocaine is used for tooth-extraction, in three injections up to ⅓ gr., and alongside the tooth well beyond the neck. As a local anæsthetic it is superseded by eucaine in that (1) eucaine does not affect the heart; (2) the anæsthesia is more complete; and (3) altogether it is more efficient and safe. Dr. Wolff's instructions are to dissolve 1 part of eucaine in 10 parts of water and boil; keep in stoppered bottles. Wash the gum with a 5-per-cent. solution of phenol, insert the needle half-way up the alveolus, and inject slowly—just enough to make the focus of operation white and raised. About 1 to 4 gr. are usually required, but larger quantities may be safely used.

Emmenagogue Powder or Black Powder.

Sublimed sulphur	1 oz.
Powdered myrrh	1 „
Reduced iron...	1 „
Granulated sugar	1 „
Wine, white (Rhenish)	4 „

Mix.

Let stand over night, and by gentle heat evaporate till dry; allow the mass to get cold, and pulverise.

—*Meyer Brothers' Druggist.*

A New Tooth-stopping.

Dr. F. W. Bliss, in the *Pacific Stomatological Gazette*, recommends the following combination for stopping teeth:—

	Parts
White guttapercha	8
Aluminium filings	5
Oxide of zinc	1
Whiting	½

Mix well.

This mixture (aluminised guttapercha) is easily manipulated, and holds its position in the cavity when firmly packed.

Medical Gleanings.

A Symptom.

Acetone is found in the urine of pregnant women when fœtal death has occurred. To ascertain the presence of acetone Jaksch's method is good—viz., add nitro-prusside of sodium, then soda solution to alkaline reaction, and drop in acetic acid until the characteristic purple or violet colour developes.

Celandine in Cancer.

Two German physicians (Drs. Winter and Schmidt) confirm the opinions already reported in these pages that the extract of celandine is not a cure for cancer. They have tried it on fourteen women who were suffering from uterine cancer, and the results were far from encouraging (*Centralblatt f. Gyn.*, page 859).

Suppositories for Children.

A writer in *La Medicine Moderne* makes a useful suggestion in regard to the treatment of children who are upset by medicine—viz., to use suppositories, preferably those made with the gelatine basis. Thus in the case of a nervous, excited child (whose condition is made worse by giving medicine *per os*) a suppository containing cocaine or antipyrin is introduced, and in a short time its calming anti-spasmodic effect is produced without disturbing in the least the stomach and intestine.

Carbolic-acid Poisoning.

Dr. Paget Steavenson, of Hurworth-on-Tees, communicates to the *British Medical Journal* (page 596) particulars of a case of carbolic-acid poisoning which recovered through washing out the stomach with equal parts of vinegar and water. The patient, a girl of 18, swallowed 1½ oz. of the acid, vomited, and was given a bromide draught before she was taken to the hospital in an unconscious state and apparently dying. There a strychnine hypodermic injection was first given, then the vinegar and water, followed by 6 pints of warm water. Recovery was complete in a few days. This simple remedy should be widely known.

Picric Acid as an Antiseptic.

French physicians are taking up the picric-acid treatment far more energetically than those in this country, although it was Dr. McLellan, of Glasgow, who first pointed out the remarkable influence which a saturated solution of the acid has in curing burns. M. Debuchy, the latest contributor to the subject, gives the following recipes in *Nouveaux Remèdes*:—

For the preparation of antiseptic dressings the following solution is used:—

Methylated ether	Oij.
Sterilised beeswax	℥ijss.
Picric acid	℥ij.

Dissolve by shaking.

This quantity of solution is sufficient for saturating 1 lb. of cotton-wool, gauze, bandage, or other dressing, and the strength of the dressing when dry is about 13 per cent.

A jelly which is a useful application for many purposes is made as follows:—

Isinglass	℥j.
Gum arabic	℥iss.
Water	℥x.

Dissolve by the aid of heat, and, while warm, add the following solution:—

Picric acid	℥ivss.
Pure methylic alcohol	℥iv.

Mix well by stirring.

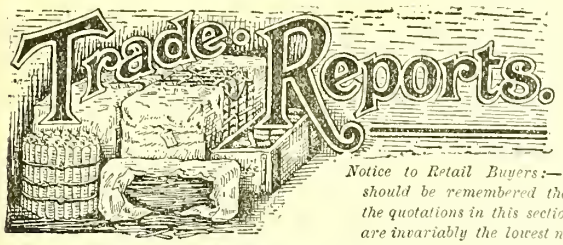
This contains about 20 per cent. of picric acid.

For an adhesive plaster use the following:—

Resin-plaster...	℥x.
Yellow wax	℥j.
Gum dammar	℥iss.

Melt together, and add cautiously a solution of—

Picric acid	℥ij.
Pure methylic alcohol	℥xviij.



Notice to Retail Buyers:—It should be remembered that the quotations in this section are invariably the lowest net cash prices actually paid for large quantities in bulk. In many cases allowances have to be added before ordinary prices can be ascertained. Frequently goods must be picked and sorted to suit the demands of the retail trade, causing much labour and the accumulation of rejections, not all of which are suitable even for manufacturing purposes. Further points which should be borne in mind are that the distributor generally has to bear the bulk of the freight-charges on the goods on their way from the producer to the retailer, and that for many articles the range of quality is very wide.

42 CANNON STREET, E.C., *September* 9.

THERE is a distinctly better feeling in the drug and chemical trades this week, especially in the export branches, and several articles appear to be on the upward move. In drugs, caseara sagrada is again quoted lower for arrival. Mandrake-root has reached its normal value once more. Jalap is reported to be improving in New York. Cod-liver oil tending firmer. Opium more plentiful on the spot, with lower quotations. Quicksilver, it is thought, will be cheaper. Senega-root is reported firmer from New York. In fine chemicals there are few alterations to report. Quinine is very firm, but without business. Lower quotations are being made from the continent for cocaine. Tartaric and citric acids are firm at the recent quotations. Cream of tartar is also firm, but without change. Glycerine is steady with a feeling that the bottom has been touched. Camphor continues inactive In essential oils the principal alterations of the week are the advances in star-anise oil, English clove oil, and oil of almonds. Higher prices are also asked for cassia oil. On the other hand English peppermint and lavender oils are lower. HGH peppermint is firm, both on the spot and for forward delivery. Japanese unchanged. The monthly cocoa-butter auctions showed an advance of nearly 1*d.* per lb. Turpentine weaker. Petroleum steady. Benzols quiet.

Java Cinchona Shipments.

The exports of cinchona-bark from Java during the month of August have been declared at 697,000 Amsterdam pounds. The following figures show the totals for the past five years up to the end of August:—

	1893 Amst. lbs.	1894 Amst. lbs.	1895 Amst. lbs.	1896 Amst. lbs.	1897 Amst. lbs.
Month of August	636,000	853,000	697,000	979,000	697,000
January to August	5,376,000	5,554,000	5,013,000	6,029,000	5,005,000

These figures have created a favourable impression at Amsterdam, and raised expectations of a better unit for the coming auction, at which a small quantity only will be offered. It is rumoured that the German combination of manufacturers contemplate an advance in the price of quinine. The Java works are looking for higher prices, but the figures they quote contradict the conclusions they arrive at in their reports, which state that they are enlarging their capacity to 100 kilos. per day.

Barbados Aloes.

The United States Consul at Barbados, replying to a letter from a Baltimore firm of druggists asking for direct information to satisfy those who are sceptical that the exportation of aloes from Barbados had practically ceased, writes:—"There are no shipments now made of aloes from this port to the United States, or, to the best of my knowledge, anywhere; thus any so-called Barbados aloes sold in the United States is of different origin. It is to be regretted the cultivation of aloes here should have been allowed to lapse, as it appears to me that there is a market for it abroad."

Ceylon Exports.

The following figures indicate the total exports of some of the more important Ceylon products from January 1 to August 10, 1897:—

—	Cinchona. 1897 Branch and Trunk lbs.	Cinchona. 1896 Branch and Trunk lbs.	Cardamoms lbs.	Citronella Oil lbs.	Cinnamon Oil oz.
To United Kingdom	140,327	677,396	185,060	446,907	207,230
„ Austria ...	...	...	...	41,110	...
„ Belgium ...	...	...	...	617	...
„ France ...	...	5,002	...	2,720	...
„ Germany ...	...	...	26,695	22,780	24,654
„ Italy	3,132	4,188	...	...	...
„ India	...	1,379	114,243	5,329	438
„ Australia ...	...	...	25	185	972
„ America ...	263,142	108,390	...	148,688	32,000
„ Africa	...	...	187	...	1,000
„ China	24,873	...	...	5,517	...
„ Singapore ...	...	...	...	6,330	...
	431,474	796,355	326,210	680,183	266,294

The Board of Trade Returns.

The official statistics relating to our national commerce for the month ending August 31 show increased imports and decreased exports. The figures are:—Value of imports in August, 1897, 33,371,385*l.*; 1896, 32,480,473*l.* = increase 890,912*l.* Value of exports in British and Irish produce in August, 1897, 18,773,997*l.*; 1896, 20,326,796*l.* = decrease 1,552,799*l.* The re-exports of foreign goods alone show an increase from 4,174,060*l.* in August, 1896, to 4,651,947*l.* in August of the present year. Taking the totals for the first eight months of the year we observe a decrease in the value of imports of chemicals, dye-stuffs, and tanning-substances (from 5,120,982*l.* to 4,541,722*l.* = decrease 579,260*l.*), and oils (from 5,367,551*l.* to 4,862,099*l.* = decrease 505,452*l.*). The following figures show the articles of which the importation has quantitatively decreased during the past year, the figures in brackets being those for 1896:—Brimstone, 313,157 cwt. [314,140 cwt.]; cutch and gambier, 16,592 tons [17,429 tons]; indigo, 79,635 cwt. [84,084 cwt.]; valonia, 22,946 tons [25,950 tons]; olive oil, 11,155 tuns [15,752 tuns]; palm oil, 663,495 cwt. [790,583 cwt.]; train, blubber, and sperm oil, 8,282 tuns [13,352 tuns]. The following articles have been imported in increased quantities:—Alkali, 158,929 cwt. [112,488 cwt.]; tanning and dyeing barks, 233,054 cwt. [211,464 cwt.]; cochineal, 2,232 cwt. [1,940 cwt.]; saltpetre, 264,604 cwt. [253,309 cwt.]; cocoanut oil, 132,304 cwt. [126,890 cwt.]; petroleum, 117,127,861 galls. [113,381,600 galls.]; seed oil, 20,939 tons [20,162 tons]; turpentine, 325,098 cwt. [316,063 cwt.]. In the department of exports the shipments of alkali during the eight months in question have increased from 3,140,696 cwt. to 3,299,886 cwt.; of chemical manures, from 246,293 tons to 281,438 tons. Bleaching-materials have decreased from 762,463 cwt. to 698,964 cwt. Medicines, comprising drugs and medicinal preparations, have also decreased in value from 731,117*l.* to 729,346*l.* in 1897.

New York Telegram.

Our New York correspondent wires on Thursday afternoon that the drug-market is quiet and unchanged. *Jaborandi* leaves are scarce and advancing, the current quotation being from 16c. to 18c. per lb. *Spermaceti* has not maintained its firm position of last week, being a shade weaker, at 30c. *American bleached beeswax* is quoted at 27½c.; light stocks are reported. *Canada*

balsam firmly held at $1.65 to $1.70 per lb. *Petroleum* offers at $5.75 per barrel.

Hamburg Telegram.

Our Hamburg correspondent wires on Thursday afternoon that new *Aniseed* shows an advancing market at 42c. per 100 kilos. *Quinine* is firmer at 24m. per kilo.

Acid (Carbolic) is weak and without demand. *Crystal* 35° C. is offering at 6¾*d.* per lb.; 39° to 40° C. at 7½*d.* *Cresylic* 97 per cent. is quoted at 1*s.* 1*d.* per lb.

Acid (Citric).—Unchanged at 1*s.* 2*d.* per lb. on the spot for B.P. quality. *Concentrated juice*, 12*l.* 5*s.* per pipe f.o.b.

Acid (Lactic).—We confirm our last week's quotation of 2*s.* per lb.; but to-day the tendency is lower, and we have heard of offers at 1*s.* 10*d.*

Acid (Oxalic) is quoted at 3½*d.* to 3¾*d.* per lb. net, according to quantity, delivered in London.

Acid (Pyrogallic) remains stationary. *Schering's* brand is quoted at 12*s.* per lb., in 1-oz. bottles.

Acid (Tartaric).—The position is firm but unchanged. B.P. acid (English) is quoted at 1*s.* 2*d.* per lb.; foreign makers offer at 1*s.* 1½*d.* per lb.

Arsenic.—Best white *English* powder is lower at 23*l.* per ton on the spot.

Asafœtida.—In the monthly drug statistics lately published the figures with reference to asafœtida are obviously incorrect. We make the stock about 150 cases less than given. The position of the article is strong at the moment, especially for the finer qualities, but we hear of no business having been done this week.

Atropine.—We understand that second-hand lots are now practically cleared, and that nothing is to be obtained under maker's prices.

Balsam (Tolu).—Forty cases, containing large tins, just arrived in New York, are quoted at 2*s.* per lb., c.i.f. terms.

Buchu.—Eleven bales have arrived per the *Dunvegan Castle* from Capetown.

Camphor (Crude) shows no alteration, the current quotation being 87*s.* 6*d.* per cwt., c.i.f., for *Formosa.* It is said that 95*s.* has been paid on the spot. *Japanese* camphor offers at 106*s.* per cwt., c.i.f. terms, September-November shipment. Reports from Hong-Kong state that *Formosa* camphor remains neglected as far as export business is concerned. Since January 1, 18,898 boxes have been shipped from Canton and Hong-Kong to the Continent, against 13,864 boxes at the same period of 1896.

Cascara Sagrada.—The low price at which this article is offering ought to induce business. One agent offers to cable out orders at 9*s.* 6*d.* per cwt., c.i.f. terms. Another has done business at 9*s.* 9*d.* per cwt. Old bark is firmly held at 14*s.* per cwt. on the spot.

Chamomiles are without change, best new *Belgian* offering at 32*s.* 6*d.* to 34*s.* per cwt., London terms, while 30*s.* is asked for second quality.

Cinchona.—The auctions to be held in Amsterdam on September 30 will consist of 3,925 bags and 365 cases *Java* bark, details of which will be published next week. The stock in first hands now consists of 2,601 packages, exclusive of above quantity. The stocks in second hands have also decreased by 1,500 packages. The exports of cinchona-bark from Java during the period from July 1 to June 30 have been as follows:—

—	1896-7	1895-6	1894-5	1893-4
Private Plantations (Amsterdam lbs.)	8,826,536	8,401,282	8,030,586	6,961,296
Government plantations (Amsterdam lbs.)..	615,255	707,103	674,471	467,040
Total	9,441,791	9,108,385	8,705,057	7,428,336

Cocaine.—It is reported that one continental manufacturer is offering *Hydrochlorate* at 8*s.* 6*d.* per oz., but we have not heard of any business at this figure. The makers of "B. & S." brand do not seem to be offering, though the nominal quotation is from 9*s.* to 9*s.* 6*d.* per oz. Seven packages crude have arrived, per the *Atrato*, from Callao.

Cocoa-butter.—At auction on Wednesday 300 cases (30 tons), *Cadbury's* brand, sold at 11¾*d.* to 11⅞*d.*, the average being about 11 15/16*d.*, against 10⅞*d.* per lb. in August. One hundred and fifty cases of *Dutch* were bought in at 10¾*d.* per lb. At the Amsterdam auctions, held on September 7, 85,000 kilos. (84 tons) *Van Houten's* brand were offered, and sold at prices ranging from 60c. to 63c. per kilo. (= 1*s.* to 1*s.* 0½*d.*); 30,000 kilos. (29¾ tons) *Hamer* sold at 59c. (= 11¾*d.*). For 15,000 kilos. (15 tons) *Hollandsche* 55c. (11*d.*) was bid, and refused; 7,600 kilos. (7½ tons) *Mignon* were bought in, 59c. (11¾*d.*) being refused. Of 4,000 kilos. (4 tons) *Suchard's* brand offered, 2,000 kilos. sold at 58c., the remainder being bought in. On the whole, the market was irregular.

Copper (Sulphate) is firm on the spot at 15*l.* 10*s.*, *Anchor* brand 17*l.* per ton. Liverpool quotes 16*l.*, and January-April shipment 16*l.* 15*s.* per ton.

Cream of Tartar is reported to be quiet at unchanged prices on the spot—viz., 77*s.* 6*d.* for best white *French* crystals, and 79*s.* 6*d.* to 80*s.* per cwt. for powder. The article is reported firmer from Bordeaux.

Dragon's-blood.—A parcel of good *Zanzibar* dragon's-blood in drop has arrived and will be offered at next week's auctions. This quality has been exceedingly scarce for some time. We understand, however, that the price asked is decidedly above buyers' ideas.

Galls.—The market remains quiet and unaltered, with a small business in white, which are quoted at 42*s.* to 43*s.* per cwt. Blue, 50*s.* to 51*s.*; green, 44*s.* to 48*s.*; sorts, 47*s.* to 48*s.* per cwt.

Gentian.—Good *French* root is being offered at 24*s.* per cwt., c.i.f. terms, September-October shipment.

Glycerine fairly steady, and on the improve. *English* brands of double-distilled s.g. 1 260 quality are being offered at from 48*s.* 6*d.* to 52*s.* per cwt., for forward delivery in tins or cases, according to holder. The German makers are maintaining their prices at 52*s.* to 65*s.* per cwt. for contracts, according to brand.

Guarana.—The current quotation is 1*s.* 8*d.* per lb. on the spot.

Gum (Chicle).—Fresh supplies are coming forward, and will be offered at 1*s.* 3*d.* to 1*s.* 4*d.* per lb. on the spot.

Gum Mastich.—The market is said to be practically cleared, the last price paid for pale tear being 1*s.* 6*d.* per lb.

Insect-flowers are in a steady position. "Open" flowers are being quoted at 70*s.*, "half-closed" at 80*s.* to 84*s.*, and "closed" at from 120*s.* to 135*s.* per cwt., according to quality—all f.o.b. Trieste.

Jalap.—New York reports that the position is improving, smaller supplies coming forward. Last month 42 packages were delivered, with a stock of 334 bales, against 378 bales at the corresponding period of last year.

Liquorice-root.—Two hundred and twenty bales *Persian* have arrived, per the *Arabistan*, from Bussorah.

Manna.—Reports from Sicily say that a good crop is being gathered. The current quotation is 2*s.* per lb. for *flake*, f.o.b., in original packages.

Menthol.—Steady, but unchanged at 6*s.* 3*d.* per lb. on the spot. For prompt shipment 6*s.* 1½*d.* to 6*s.* 3*d.* per lb. is quoted. In another direction 6*s.* is quoted as the c.i.f. price by one or two agents.

Nitrate of Silver is easier at the close in sympathy with the lower metal. *Crystals* are quoted 1*s.* 4½*d.* oz., and sticks ¼*d.* oz. more.

Oil (Castor) is very firm. *East Indian* firsts are quoted at from 4¼*d.* to 4½*d.* per lb. on the spot for small lots, best medicinal *Italian* oil at from 4½*d.* to 5*d.* per lb. on the spot. Prices are likely to increase, owing to the fact that it

is extremely difficult to obtain good seeds. *French* of first pressing is offering at 33*s*., seconds at 32*s*. per cwt.

OIL (COD-LIVER) is reported to be decidedly firmer, with a strong demand in anticipation of winter requirements. The range of quotations appears to be from 65*s*. to 70*s*. per barrel, c.i.f. terms. *Thesen's* brand is quoted at 67*s*. 6*d*. without engagement; *Isdahl's* at 68*s*. per barrel, ex ship; *Jervell* at 67*s*. to 70*s*., c.i.f. terms; *Arsæther's*, 65*s*., c.i.f. terms. Business has been done recently at an equivalent to 68*s*. for finest *Lofoten* oil. The Bergen market is reported quiet, but steady. The price for best non-congealing *Lofoten* oil remains unaltered at 64*s*. per barrel, f.o.b. The exports from Bergen to date amount to 6,250 barrels, against 3,354 barrels at the corresponding period of last year.

OILS (ESSENTIAL).—There has been a good business done in *Oil of star-anise*, an advance of from 6*d*. to 7½*d*. per lb. having taken place on the week; 8*s*. 3*d*. has been paid on the spot, and business can still be done at this price. For arrival August-September shipment, 8*s*. per lb. has been paid. Some dealers are now asking 8*s*. 3*d*. for this position. *Oil of cassia*: much higher prices are asked for this article, which somewhat restricts business; 80 per cent. to 85 per cent. oil is offering at 7*s*. per lb. on the spot. There are no sellers for forward delivery. The quotation for 70 per cent. to 75 per cent. is 5*s*. 3*d*. per lb., c.i.f. terms. The stock in Hong Kong is estimated at 200 piculs. *Citronella oil* is steady, but unchanged, at 1*s*. 2*d*. to 1*s*. 2½*d*. per lb. on the spot for either drums or tins. Owing to the continued rise in cloves the *English* oil has been advanced 1*d*. per lb., making list-price 2*s*. 3*d*. per lb. for opt., and 2*s*. 1*d*. per lb. for B quality, these prices being without engagement considering the strong position of the article. *Ol. amygd. dulc.* dearer at 1*s*. 1*d*. per lb.; pallid, 1*s*. 3*d*. per lb. *Lemongrass* is firm at 2 11/16*d*. to 2¾*d*. per oz., c.i.f. terms. *English oil of peppermint* is lower, the current quotation being now 21*s*. per lb. HGH peppermint oil is very firm at 6*s*. to 6*s*. 3*d*. per lb. both on the spot and forward delivery; a large business has been done to arrive. *Wayne County* in tins is offered at 4*s*. to 4*s*. 3*d*. per lb., c.i.f. terms. New York reports an advancing market, there being a disposition on the part of farmers to hold back supplies, and this has caused a firmer tendency to make itself apparent on the other side. *Japanese* peppermint is unchanged at 3*s*. for *Dementholised*, and at 4*s*. 3*d*. per lb. for 40 per cent., both c.i.f. terms. *English oil of lavender* is lower at 60*s*. per lb. The crop of *French* lavender is estimated to be about half that of last year, and higher prices are looked for. Pure *Oil of spike* is quoted at 2*s*. 9*d*. per lb. *Concrete oil of orris* is quoted at 32*s*. per oz. Genuine *oil of sassafras* is firm at 1*s*. 8*d*. per lb. on the spot. *Winter-green* is also firmer at 5*s*. 6*d*. per lb. net, in tins, on the spot, or 5*s*. 9*d*. per lb., c.i.f. terms, in cases of five 5-lb. bottles.

OPIUM.—Holders are firm, though there is no business to report. The quotations for *Persian* are from 8*s*. for common up to 10*s*. 3*d*. per lb. for best quality. For new crop offers of *Druggists'* quality in good condition are made at 8*s*. 6*d*. to 8*s*. 9*d* per lb. according to quantity.

ORRIS-ROOT.—Unchanged. Business is said to have been done on the spot at from 48*s*. to 50*s*. for best *Florentine*.

PHENACETIN is reported to be slightly firmer, if anything, though little business has been done for some time; 4*s*. per lb. is asked.

PODOPHYLLIN-ROOT is offering at 20*s*. to 24*s*. per cwt., c.i.f. terms, which marks a return to its normal value.

POPPIES.—Best *Belgian* poppies of large size offer at 11*s*. per 1,000; medium, 5*s*. per 1,000.

POTASH SALTS.—*Chlorate* is unchanged on the spot at 3⅞*d*. to 4*d*. per lb. *Prussiate*: The *Beckton* brand offers at 5½*d*. per lb. net, other English makes at 5¾*d*. to 6*d*. *Bichromate* quiet at 4⅝*d*. per lb. *British* refined *Saltpetre* is offering at 19*s*. 6*d*. in barrels and 20*s*. 6*d*. per cwt. in kegs. *German*, 19*s*. 3*d*. and 20*s*. per cwt. respectively. An arrival of 1,715 bags crude is reported from Calcutta per the *Clan Macdonald*. Other prices are:—*Bromide*, 1*s*. 8*d*. per lb.; *Permanganate* is not so firm as it was, and slightly lower prices would be accepted for prompt delivery, 70*s*. per cwt. for small and 75*s*. for large crystals; *Montreal potashes*, 19*s*. per cwt.

QUICKSILVER.—Is depressed, and a further fall is not unlikely. First-hand still remains at 6*l*. 17*s*. 6*d*.; while second-hand holders require 6*l*. 16*s*. 6*d*. per bottle. Two hundred and fifty bottles have arrived per the ss. *Armathwaite* from Leghorn.

QUININE shows a strong market, with buyers at 9½*d*. per oz. for best *German* brands, but no sellers for spot speculation; consequently no business has transpired. Small orders for druggists' requirements would be filled at 9¼*d*. per oz.

RHUBARB.—Forty cases have arrived per the *Myrmidon* at Shanghai.

SAFFRON is very firmly held, and it is expected that prices for the new will show an advance. Fine genuine *Valencia* is held at from 40*s*. to 43*s*. per lb.

SARSAPARILLA.—Seventy-seven packages have arrived per the *Atrato* from Colon.

SENEGA-ROOT is firm at 1*s*. 1*d*. per lb. on the spot, business having been done at this figure.

SENNA (ALEXANDRIAN).—Since the sales business is reported in leaf at 8*d*. per lb., and as the bulk of the crop seems now to have come forward higher prices in this grade are anticipated. Eleven packages *Alexandrian* have arrived per the *Arcadia*. Four hundred and twenty-eight bales of *Tinevelly* have arrived per the *Caledonia*. These will probably be offered in the sale of September 30.

SHELLAC.—A large business has been done since our last report, TN for forward delivery showing an advance of about 3*s*. per cwt. September delivery is now quoted at 66*s*., October 67*s*., November-December 68*s*., and October-December at 64*s*. to 65*s*. per cwt. c.i.f. terms. Small supplies were catalogued at auctions, and a good demand prevailed. Of 447 cases second *Orange* offered, 258 sold—good bright flat TN at 66*s*.; strong curly cakey at 65*s*. to 66*s*.; fair strong bright red rather mixed at 63*s*. to 64*s*.; fair bright part blocky at 63*s*.; good bright blocky 60*s*. to 61*s*.; ordinary red at 59*s*. to 61*s*.; dark curly and cakey 60*s*. per cwt. Of *Garnet* lac, 63 cases sold without reserve, common "Snake" at 55*s*. to 56*s*. *Button*: 69 cases offered and sold, good firsts at 76*s*. to 78*s*., good pale and blocky at 69*s*., seconds 67*s*. per cwt. On Wednesday, a good business was done in *Button* lac at full prices. AC *Garnet* sold at 73*s*. for fine free quality, 74*s*. now being asked. Business has also been done in second *Orange* at the auction advance, including ordinary to good TN at 63*s*. to 68*s*. per cwt. cash terms. The landings in London during August were 7,472 chests against 6,930 chests, the deliveries being 3,953 chests against 3,759 chests. The stock on August 31 was 53,648 chests—consisting of 40,503 chests *Orange*, 6,502 chests *Garnet*, and 6,643 chests *Button*—against 43,824 chests last year.

SODA SALTS.—Ordinary *Nitrate* is quoted at 7*s*. 4½*d*. per cwt., refined 7*s*. 7½*d*. per cwt. *Caustic* soda steady; 76 per cent., 8*l*. 15*s*. f.o.b. Liverpool or Tyne; 74 per cent., 8*l*. 5*s*., f.o.b. Liverpool; 70 per cent., 7*l*. 10*s*. on the spot, or 7*l*. 5*s*. f.o.b. Liverpool; 60 per cent., 6*l*. 5*s*., f.o.b. Liverpool. *Soda crystals* are unaltered at 50*s*. per ton in bags, and 52*s*. 6*d*. in barrels, ex-ship or wharf in London or f.o.b. Tyne; The Liverpool f.o.b. price is 57*s*. 6*d*. per ton. *Ammonia alkali*, 58 per cent., offers at 3*l*. 17*s*. 6*d*. per ton in bags on rail, 4*l*. f.o.b. Liverpool. English *Prussiate* offers at 5¾*d*. to 6*d*. per lb. net. *Bicarbonate* in kegs, 7*l*. 5*s*. per ton, ex-warehouse London; Liverpool quotes 6*l*. 15*s*. for kegs and 6*l*. 5*s*. per ton, f.o.b., for casks. *Bichromate*, 4⅝*d*. per lb. *Hyposulphite* offers at 5*l*. 15*s*. per ton for kegs on the spot, and at 5*l*. per ton, f.o.b., on the Tyne.

SPERMACETI.—A fair amount of business has been done on the spot, up to 1*s*. 4*d*. per lb. having been paid.

SPICES.—Both *Cochin* and *Jamaica* ginger are dull of sale. Out of 1,315 bags *Cochin* offered at auction, 320 bags only were sold at a decline; ordinary to fair medium and small washed rough at 23*s*. to 24*s*. 6*d*.; common mouldy, 22*s*. per cwt. *Jamaica* met with a slow demand, 22 barrels out of 119 offered, selling at 70*s*. to 80*s*. per cwt. for dull small washed to good bright. There has been a fair amount of business done in white and black *Pepper* during the week, with a quiet and steady feeling at the close. At auction 120 bags white pepper were offered and bought in, *Penang* at

$4\frac{7}{8}d.$, and fine bold *Singapore* at 7*d.* per lb. *Pimento* is firmly held, with sales of 500 bags partly ex the auctions at 3*d.* to $3\frac{1}{16}d.$ for fair quality. *Zanzibar cloves* are quiet and rather easier for delivery, with sales of 500 bales, January–March shipment, at $2\frac{3}{4}d.$ per lb.; October–December shipment is quoted at $2\frac{9}{16}d.$, c.i.f. terms, and on the spot there are sellers at $2\frac{9}{16}d.$ per lb. *Nutmegs* are lower for all varieties. Mace firm. Other spices show no improvement.

Sugar of Milk is in fair demand at from 55*s.* to 62*s.* 6*d.* per cwt., according to quality.

Sulphur.—Firmly held at 6*l.* 15*s.* for foreign flowers and 6*l.* 10*s.* for *Roll* ditto. *Recovered* sulphur is offering at 95*s.* f.o.b., and best thirds at 79*s.* c.i.f. terms.

Tragacanth.—There has been a fair demand for most qualities. Firsts are quoted at 13*l.* to 13*l.* 10*s.*; seconds, 11*l.* 5*s.* to 12*l.* 10*s.*; thirds, 10*l.* to 11*l.*; fourths, 8*l.* to 10*l.*; yellow and pinky, 6*l.* to 8*l.* per cwt.

Turpentine is weaker, *American* being offered on the spot at 21*s.* 6*d.*: October–December, 21*s.* 9*d.*; January–April shipment, 22*s.* 6*d.* per cwt.

Valerian.—The new crop *Belgian* root is offering at 19*s.* per cwt., London terms, or 17*s.* f.o.b.

Wax (Japan)—Steady on the spot with sales of good squares at 40*s.* to 41*s.* per cwt. For arrival the quotation is 37*s.* 6*d.* per cwt., c.i.f. terms.

The Liverpool Drug-market.

Our Liverpool correspondent, writing on September 8, reports that the upward movement in *Castor oil* has been fully sustained during the week, and sales of good seconds *Calcutta* were made at $3\frac{7}{8}d.$, and small lots realised 4*d.* per lb. The s.s. *Statesman* has arrived with about 800 cases, but the market has not been affected in the slightest degree, all the importers being very firm in their views. *Madras* is in very small supply at $3\frac{1}{2}d.$ to $3\frac{9}{16}d.$ per lb.; first-pressure French, notwithstanding arrivals, is held at $3\frac{9}{16}d.$, and large transactions are taking place in this grade. Second-pressure *French* is only obtainable in limited quantities at $3\frac{7}{16}d.$ to $3\frac{1}{2}d.$ per lb. *Sulphate of copper* is very firm, and sales are being made at 16*l.* 5*s.* per ton to 17*l.*, according to position. *Beeswax* is only in retail demand, and recent values continue to rule. In *Gums* the market remains rather dull, the present position offering little inducement for business. Buyers do not seem to care to follow *Soudan* sorts at the present rates, and a return to old and more moderate figures appears possible. Medium grades are without change, and correspondingly inactive. More business has been done in *Sierra Leone Chillies*, and sales are being effected at prices ranging from 31*s.* to 35*s.*, but importers are talking of much higher figures in the near future.

The Hamburg Drug-market.

Our Hamburg correspondent, writing on September 7, says:—Our drug-market is very quiet just now, and there are only few articles showing some life. *Agar-agar* remains firm at 280m. to 285m. per 100 kilos. *Aniseed* is firm, at 33m. per 100 kilos.; new crop demands 36m. per 100 kilos. *Cape aloes* is firm at 47m. to 48m. per 100 kilos. *Cassia lignea* shows a strong market, especially good old. *Cassia* is in good demand from 80m. upwards per 100 kilos. *Refined camphor* is little changed, at 258m. to 260m. per 100 kilos. *Calumba* remains scarce at 65m. per 100 kilos. *Maltese cumin-seed* is unaltered at 37m. per 100 kilos. *Arsenic* is quiet, white powder being quoted at 45m. to 46m., lump at 50m. to 51m. per 100 kilos. *Cascara sagrada* is unchanged at 28m. per 100 kilos. *Honey* is steady; Chilian at 44m. to 46m. per 100 kilos., and *Californian* at 44m. to 45m. per 100 kilos. in cases. *Vera Cruz jalap* remains firm, at $102\frac{1}{2}$m. per 100 kilos. *Kola-nuts* are quiet at 55m. to 60m. per 100 kilos. *Nux vomica* is also quiet at $12\frac{1}{2}$m. per 100 kilos. *Lycopodium* is steady at 265m. per 100 kilos. *Opium* is quiet at 18m. per kilo. *Quinine* is unchanged at 24m. per kilo. *Quillaia bark* is firm at 42m. per 100 kilos. for uncut, and 47m. to 48m. per 100 kilos. for cut bark. *Shellac* is steady, but shows little business. *Spermaceti* is steady at 295m. to 300m. per 100 kilos. *Star-anise* is firmer at 185m. per 100 kilos. *Cod-liver oil* does not show much business; non-congealing oil is quoted 68m. to 70m. per barrel. *Castor oil* is firm, with a small demand; spot demands 65m., forward 63m. per 100 kilos. in barrels. *Star-anise oil* is firm at 17m. per kilo. *Russian anise oil* firm, at $14\frac{1}{2}$m. per kilo. *Peppermint oil*, HGH, $6\frac{1}{4}$m. per kilo; *Japan oil*, 6m. per kilo. *Turpentine* is very firm, and dearer at $45\frac{1}{2}$m. per 100 kilos. delivered ex store. *Japan wax* is very firm: spot demands 80m. to 81m. per 100 kilos.; for shipment 77m. is asked.

The Smyrna Opium-market.

Our Smyrna correspondent writes on August 28 that the opium-market has now taken an upward turn owing to orders that have been distributed in various quarters. Local speculators have also been buying, which has helped to sustain the firm position. The total sales for the week ending August 28 were: 14 cases *New current talequale* at 6*s.* 10*d.*, 9 cases new *Karahissar* at 7*s.*, and 2 cases new *Bogaditch* at 7*s.* 2*d.* These were bought for exporters. Eleven cases new *Current talequale* sold at 6*s.* 10*d.* for speculation. The Dutch agents have also purchased 15 cases at the equivalent of 7*s.* 8*d.* per lb., f.o.b. The arrivals to date amounted to 1,690 cases, against 1,072 at the corresponding date of last year. The sales this month consist of about 150 cases, 50 of which have been taken for speculation, 20 for the Dutch Government, and the balance for England and the Continent. The arrivals at Constantinople to August 21 amounted to 510 cases, against 457 at the same time of 1896. In old opium there is very little to be had except at high prices. The stock of opium in Smyrna is estimated at about 1,535 cases. A few cases of old *Karahissar* have been bought lately at the equivalent of 7*s.* 7*d.* per lb., f.o.b. The market closed firm.

The Value of Sulphate of Ammonia.—At a meeting of the Holborn Board of Guardians on Wednesday evening, at their administrative offices, Clerkenwell Road, the Mitcham Workhouse Visiting Committee reported that they had accepted the offer of Messrs. H. Wallace & Co., of 5 Fenchurch Street, E.C., of 5*l.* 15*s.* per ton net, for the purchase, in their own bags, of sulphate of ammonia from the Guardians' gasworks at the Mitcham Workhouse. Mr. Bolton thought this was not a very liberal offer, and considered, further, that other persons should be invited to tender for the article. If only one firm was negotiated with, the Guardians had no alternative but to accept what was offered. He thought he remembered their getting 10*l.* or 11*l.* per ton for the sulphate of ammonia. Mr. Frankland: No, no. Mr. Langley: The offer is always according to the market-price of the day. The offer of Messrs. Wallace was accepted.

The "Olive Oil" Case.—The adjourned case in which the Islington Vestry sued Ebenezer Tickner, a shopkeeper of Newington Green Road, for selling as olive oil an article which was found to be cotton-seed oil only, was again argued at considerable length before Mr. d'Eyncourt, at North London Police Court, on September 9. Mr. Bramall appeared for the Vestry, and Mr. Hutton was counsel for the defence. The case had been adjourned to enable the defence to show that olive oil is not a drug. Mr. Bramall called Dr. Harris, medical officer and public analyst, of Islington, who said that olive oil is an ingredient in fourteen medicines mentioned in the British Pharmacopœia, and in its pure state is administered as a laxative to infants. Mr. Hutton said the olive is defined as a fruit, and asked Dr. Harris if he considered fruit a laxative? Dr. Harris replied that some fruit certainly was. The fig was a drug. The oil of the olive was a food as well as a drug, it being extensively used as a salad-dressing. Mr. Bramall said the object of this prosecution was not in the interests of the people who bought it as a salad-dressing, but in the interests of those who might want it for use as a drug for internal use or for an external burn. Mr. d'Eyncourt, in deciding the case against the Vestry, said that in the face of the evidence of the medical officer, and of the fact that the Vestry had pinned themselves to the oil being a drug, he must hold that it was a food, and not a drug, especially considering that it was bought at a grocer's shop. If a medical gentleman wanted to make up a prescription, it is to be hoped he would go to a druggist, and not purchase a 5*d.* bottle at a grocer's. Summons dismissed, with a guinea costs.

CORRESPONDENCE

Notice to Correspondents. *In writing letters for publication, correspondents should adopt a concise, but not abbreviated, style. They are requested to write on one side of the paper only. Letters, with or without a nom-de-plume, must be authenticated by the name and address of the writer. Queries should be written on separate pieces of paper, and the regulations printed under the sections to which they apply should be strictly observed.*

The Unqualified Medical Dispenser.

SIR,—Your article on the unqualified medical dispenser will, I hope, lead to some useful discussion and practical action. That a great many irregularities and illegal practices exist is perfectly well known. The difficulty is to devise a method of effectively dealing with breaches of the Pharmacy Act in private surgeries. I ventured to bring these practices very plainly to the notice of the Council of the Pharmaceutical Society at the annual meeting in 1896. My argument was that dispensing as performed by the embryo surgeon, the page, the mistress, or the maid, was an insidious danger the public knew nothing whatever about, and if the Council were unable or unwilling to take action in this matter it would be best to bring it directly and forcibly to the public notice. The President (Mr. Carteighe), it may be remembered, admitted the existence of these dangerous and illegal practices, but doubted the possibility of the Executive being able to deal with them. He suggested an article in the *Nineteenth Century*, to be followed by a paper ead elsewhere, from which he contended the "moral effect would be great," and would lead to the subject being considered. I have watched and waited patiently, yet so far have seen no evidence of this "Aq. rosæ dil." method of treatment, or indeed any other, and until your article appeared the matter was evidently shelved.

Whilst obviously entirely in accord with you as to the urgent desirability of limiting this wholesale recklessness, I am afraid the difficulties attendant on enforcing the Pharmacy Act for these lâches are insuperable. A doctor can easily evade the Act and so arrange his dispensing that he can fearlessly remit it to his errand-boy. He would, however, not care for the public to be acquainted with this.

The effective remedy, I still contend (a more efficient suggestion would be welcome), is publicity, and granting publicity is a remedy, how is it to be attained?

The readers of the *Nineteenth Century* are of that class whose medical attendants do not dispense their own medicines. This, to a greater or less degree, applies to magazine readers generally. The public Press though readily open to discuss all the "sweetness and light" of the bathing question is resolutely unconcerned as to the jeopardy of the British nation from preventable poisoning. Let this question be answered honestly. Is it quite certain when a patient suddenly collapses the doctor's certificate is always accurate? Syncope, coma, sudden failure of the action of the heart, &c., may undoubtedly define with sufficient exactness the immediate cause of death; but knowing what we do (and what the public do not know) it would be interesting to get at the actual percentage of cases where this "coma," &c., is the result of careless dispensing in private surgeries.

Briefly my idea is that the federated Society might print a trenchant little pamphlet and supply it to chemists at a moderate cost for general distribution. It would not be difficult to put in brief pamphlet form a selection of inquest reports demonstrating beyond all question the reality of these dispensing dangers. Sum this up with a soupçon of the literary skill employed in propagating quackery, and I venture to say the public, or at least a very extensive proportion, will decline in future to swallow physic unless they have some substantial guarantee that it was prepared by a competent person.

Yours faithfully,

285 Brockley Road, S.E. LEO ATKINSON.

Marked Prices on Goods for Export.

SIR,—One hears a good deal nowadays about British manufacturers playing into the hands of their European and American rivals by refusing to adapt their wares to the requirements of the various countries to which their goods are exported. In this connection there is a little matter which has been referred to from time to time by colonial buyers, but which has been hitherto ignored by many firms whose goods sell largely in the British colonies. I refer to the marking of the retail price on patent medicines, proprietary articles, and druggists' sundries intended for export. Prices necessarily differ in different countries, and in those parts most remote from the source of supply a chemist has to charge considerably more than the ordinary English retail rates. In many cases the actual cost of the goods is more than the retail prices marked on the packages. In this part of Australia we are, say, 12,000 miles from London and 1,000 to 1,500 miles from the nearest wholesale drug-house. There is a Customs charge of 25 per cent. *ad valorem* on most of the goods we handle. The climate is tropical, and loss through deterioration of goods very considerable. One must regulate his prices accordingly, and is frequently annoyed by customers' remarks about his supposed excessive charges, as shown by the retail prices printed on certain articles purchased. There are certain lines of feeding-bottles, toilet-preparations, copaiba and sandal-oil capsules, &c., which I have ceased to keep in stock because of the prices appearing on the outside labels, or on enclosed hand-bills, or inside directions for use, preferring to push similar articles on which the price does not appear. Most of the largely-advertised patent medicines (British) which are in daily demand here are prominently marked "Price 1*s.* 1½*d.*," and advertised in local papers at the same price. Nobody sells them at that price, and the retailer is continually having to explain the reason why he charges more than the advertised price, and frequently loses sales of such articles in consequence of refusing to accept the amount offered by unreasonable or ignorant persons, who fail to be convinced by the reasons given for the extra charge.

Yours, &c.,

Townsville, North Queensland, July 25. C. RIDGLEY.

Royal Irish University Degrees.

SIR,—A little error now and then creeps into the works of the wisest man. Hence it is that in your admirable Educational number you place the London University in a class apart as the only university where a degree in science or art can be obtained without attendance. You forget that the Royal University of Ireland has an exactly similar constitution to the London University, and is by charter compelled to insist on no lectures, save in the faculty of medicine. As this is the only university, besides that of London, where a pharmacist could possibly hope to obtain a degree whilst still at his work, I may be pardoned for drawing attention to the mistake. For the B.Sc. degree it is necessary to obtain an arts degree first, which rather complicates the course, and there are four examinations for the B.A., against three at London, but the Matriculation is not so difficult.

There is some reason to believe that if the Pharmaceutical Society brought some pressure to bear on the Senate the degree of B.Sc. would be conferred in what may be called pharmaceutical subjects, as botany, physics, and chemistry. These subjects do indeed form part of the present course, but would need modification as to their amplitude. In this way the problem of a university degree for pharmacists, which has more than once been discussed in your columns, could be practically solved.

Yours truly,

Dublin, September 4. M.P.S.I. (210/50.)

Chemists and Mineral-water Bottles.

SIR,—Not long ago you were good enough to point out to one of your correspondents that the use of mineral-water bottles by chemists for the purpose of their trade was, if not illegal, sailing very near the wind, and the tenour of your remarks discountenanced the practice.

As Secretary of the National Union of Mineral-water Manufacturers, my attention has been called to another case of fatal poisoning through using a ginger-beer bottle as a covering for carbolic acid. It is the usual tale—the child sees an earthenware ginger-beer bottle on the table, and reasonably assuming the contents must be ginger-beer, drinks thereof, and dies.

It should not need the comment of the Coroner that

"chemists should be careful to use bottles of an unmistakable kind and see that they are properly labelled."

The ginger-beer bottle did not belong to the chemist who filled it with carbolic acid, nor to the person who took it to the shop, but rather to the mineral-water manufacturer who had loaned, and not sold, it.

My object in writing to you is to point out that members of mineral-water associations—and I know of very few manufacturers who are not members—do not charge for their bottles, but loan them, to be returned when empty.

The use of these bottles by any other person, for any other purpose, is therefore improper, and, we think, illegal; and I ask your permission to enable me to call the attention of your numerous readers to the injustice, illegality, and danger of the practice.

The National Union of Mineral-water Manufacturers has repeatedly, by circulars and otherwise, drawn the attention of chemists and druggists to this evil, and I have no doubt that the publication of this appeal in your widely-read and useful organ will not be lost on those for whom it is intended.

I am constrained to express the opinion that no chemist who values his reputation, or who has a business worth the name, would be guilty of such an offence.

I am, yours faithfully,

15 Calls, Leeds, Sept. 2. W. Tooke (Secretary).

Poor-law Dispensers.

Sir,—I have been waiting anxiously to see if any Poor-law dispenser with an abler pen than mine would continue the correspondence commenced by "A (very) Poor-law Dispenser."

A Poor-law Dispensers' Association is the very thing required, with members who would not only subscribe, but who would work hard in any matter that may be required of them. There used to be an institution of the kind, with its headquarters at 46 Clarendon Square, London, but although I wrote to the Secretary about two months ago I never received a reply.

Personally, I will take any trouble and pains to improve our position, and, if Poor-law dispensers will write to me, we will see what can be done. Scattered as we are throughout the country, there are great difficulties in the way; but I am certain that, with a good association, with an energetic secretary, who would work for the love of the thing, we should not be long in vastly improving our position.

W. Austin Attree
(Out-relief Dispenser, Portsea Island Union).

S. Michael's Road, Southsea, September 8.

Picric-acid Manufacturers.

Sir,—There must be some mistake with regard to your note respecting picric acid and its manufacture in this country. It is a matter of knowledge to us that there are at least four reputed makers in the kingdom, one of whom in consequence of the deplorable accident a few years ago has probably not resumed manufacture; another Lancashire manufacturer let things go in consequence of the dangers, and possibly affected by the before-mentioned accident. The advertisement of two other manufacturers exists in weekly trade journals, and we know, at least in the case of one of them whose manufacture was exhibited in the Paris exhibitions of 1867 and 1878, that they are at this moment manufacturers and can supply from stock. We have reason to believe that this Lancashire firm is the only one licensed to make picric acid in this country, and we also know that they have supplied quantities to the British Government.

Our only object in taking note is in the interests of British manufacturers, to prevent the impression gaining ground that picric acid is not manufactured in England, or that the facilities for making as much as required do not exist in this country. We are, yours faithfully,

Abbey Lane, Stratford, Thomas Tyrer & Co.
September 8.

DISPENSING NOTES.

Making the Best of It.

I was lately dissolving ʒiij. lactate of zinc. in water by the aid of a water-bath, when the bottle containing the salt broke, and the contents went into the bath. Having no more salt in stock, and none being obtainable in the town, and the case being urgent (epilepsy), I evaporated the bath-water containing the salt to the requisite bulk, filtered it through animal charcoal, and then added the remaining ingredients of the prescription.—Geo. James (Tenby).

Phosphate-mixtures.

Sir,—Your issue of June 26 contains a query (133/63) from "Dispenser" as to the formula of the salt constituting the precipitate formed in the following prescription:—

Tr. ferri mur....	ʒij.
Mag. sulph.	ʒj.
Acid. phosph. dil.	ʒij.
Aquæ ad	℥xij.

Your answer is "$Mg_3(PO_4)_2$." I have examined the precipitate, and make it out to be ferric phosphate—$Fe_2(PO_4)_2$—which is precipitated owing to its insolubility in the presence of a salt of an alkaline earth. In the February (Australasian) number appeared a question about the same precipitate, and I gave in answer to this in your May issue that I considered it to be ferric phosphate.

Yours faithfully,

Auburn, Victoria, August 3. T. E. Turner.

A Malta Prescription.

202/74. *W. K.*—Your prescription is for an imitation of inj. Brou, and is as follows:—

Catechu	gr. xij.
Opii	gr. xv.
Croci	gr. xij.
Aq. bullient.	℥vj.

Infuse four hours, filter and add—

Plumbi acetat.	gr. xxx.
Zinci sulph.	gr. xv.

M.

Menthol in Gargles.

N. T. S., writing to the *Chemist and Druggist of Australasia*, says:—"Your English number of June 12 contains a query *re* the dispensing of a prescription containing menthol, and intended to be used as a gargle. The advice given there is filtration, which would undoubtedly give the most elegant result. The following I dispensed recently:—

Sodii bibor.	ʒj.
Sodii bicarb.	ʒj.
Menthol.	ʒss.
Spt. vini rect.	fl. ʒij.
Ol. gaultheriæ	♏iv.
Aq. ad	fl. ℥xij.

Ft. garg. m.d.u.

The menthol was very finely powdered, and emulsified by the aid of pulv. tragac. co. ʒj. (after obtaining the consent of the prescriber) with 4 oz. of water. When this was mixed, the borax and bicarbonate dissolved in 7½ oz. of water, and to the mixture was added the ol. gaultheriæ diffused in the spirit. Finally, the bottle made up with water. So far from causing irritation, this gargle was used with great success on a much-inflamed throat."

LEGAL QUERIES.

We do not give legal opinions by post. Information regarding most legal matters in connection with pharmacy will be found in The Chemists' and Druggists' Diary, *and in "Pharmacy and Poison Laws of the United Kingdom," and Alpe's "Handy-book of Medicine-stamp Duty."*

205 17. *H. H.*—A mixture of acetanilide and phenacetin sold as headache-powders would require a medicine-stamp. Either powder can be sold separately unstamped.

207/45 *L. L.*—Strictly speaking, spirit of chloroform comes within the poisons schedule of the Pharmacy Act. We have never heard of any compressed champagne-tablets, and should think the coast is clear for your inventive genius in that direction.

197/74. *F. B.* asks if it is usual for a solicitor to charge 5*l.* 5*s.* for obtaining magistrate's certificate for sale of wines and spirits, besides obtaining two local gentlemen to prove character and generally fulfilling necessary formalities. [There is no fixed remuneration, and the solicitor's charge will vary according to the work actually done. If our correspondent thinks he has been charged too much he should tell his solicitor so, and if this has not the desired effect he is at liberty to have the solicitor's bill of costs taxed. We scarcely see the necessity of employing a solicitor at all in such a matter. Between the *C. & D.* DIARY and the local Excise officer it is not difficult to take the necessary proceedings.]

204/39. *Factor.*—We do not think the partnership-deed is null and void simply because A is unqualified; and if the business is wholly carried on by, and in the name of, the qualified chemist, there is nothing illegal, so far as B is concerned, in the fact of being assisted financially only by an unqualified person who also shares in the profits. A can only himself be liable if, in the opinion of the Court, he can be said to be keeping open shop for the sale of poisons or assuming one of the protected titles.

204/46. *W. J. G.*—It has not yet been determined that Williams' pink pills require to be labelled poison. It would be an advantage if the Pharmaceutical Societies would give the trade some indication what proprietary articles come under the schedule regulations, but it is claimed that they can only do this by legal process.

210/74. *Boris.*—We see no reason why the word "Jubilee" should not be registered as a trade mark for medicines, provided it has not been already adopted. For full particulars concerning registration see *C. & D.* DIARY, 1897, p. 210.

209/73. *R.*—The Dentists' Act does not interfere with the performance of dental operations, except that a person not registered under it cannot recover any fee for such in a law court. Nor can he assume the title of dentist, dental practitioner, or anything similar.

210/13. *H. J. S.*—A remedy is not necessarily exempt from stamp-duty because it is effervescent. Lamplough's Saline was declared by the Court of Appeal to be exempt, and that, or any similar preparation, is now held to be exempt, no matter how it is described; but the exemption does not extend to substances of a more medicinal character. For example, effervescent citrate of caffeine may be rendered liable if recommended, or if a proprietary right be claimed in the manufacture.

MISCELLANEOUS INQUIRIES.

Notice to Querists. *We reply to our subscribers and their employés only; queries must, therefore, be authenticated by the name and address of the subscriber. When more than one query is sent write each on a separate piece of paper. When a sample accompanies a query full particulars regarding the origin and use of the sample must be given, and the name of the querist should be placed on the sample. Queries are not replied to by post.*

189/65. *Pickwick.*—Application **For Ringworm** on the head:—

Sol. sat. sodæ sulphitis	ʒij.
Ac. acetic. glac.	♏xv.
Tr. iodi ad	ʒj.

Shake vigorously for some minutes, allow to settle, and decant the clear liquid.

186/17. *Vet.*—**Black Drink for Hoven or Blown Cattle**:—

Spt. terebinth	ʒij.
Tr. zingiber. fort.	ʒij.
Tr. kino	ʒiv.

M.

203/58. *Cilute* (Turin).—The **Keratine-solution** for coating pills is made by first removing from horn shavings all that is soluble in pepsin and dilute hydrochloric acid, and then dissolving the residue in a solution of ammonia and evaporating the solution until only a faint smell of ammonia remains. The gum-like liquid which remains is the coating-liquid. The pills intended for keratine-coating should be made up with oily excipients and have a thin coating of cocoa-butter given to them before applying the keratine-solution. The literature on the subject is scattered, but by referring to "The Art of Dispensing," and past volumes (as Vol. 41, page 803) of the *C. & D.*, you will find all there is known on the subject.

194/10. *W. V. R.*—**Hair-curling Powder.** The composition of the sample is substantially as follows:—

Pulv. tragacanth.	ʒj.
Pulv. sap. animal.	℥ss.
Pulv. boracis...	ʒviij.

M.

Colour with carmine.

208/17. *R. W. B.* and others.—**Tablet-compressor** (as *C. & D.*, September 4, page 432).—This is a common apparatus, obtainable from Messrs. S. Maw, Son & Thompson, and other druggists' sundriesmen, which Mr. B. E. Nelson has modified to suit the purpose which he mentions. Any handy man can make the necessary graduation-marks on the piston. The adjuncts are all home-made articles.

203/3. *E. R.* (Mulhouse, Alsace).—(1) We could tell if you sent us a sample. (2) **Palma Violette**:—

Ionone	ʒiij.
Cassie extrait	ʒj.
Rose extrait	ʒj.
Essence of musk	ʒij.
Rectified spirit to	Oj.

Mix.

203/30. *J. D.*—We have examined the sample of **Digestive Tea** which you enclosed. We can form no idea of what process it has undergone for the removal of tannin, but whatever process it was there is still abundance of tannin present.

203/61. *California.*—(1) For cleaning vinegar, &c., you require felt filtering-bags, which you can obtain through any druggists' sundriesman. (2) **Hair-oil Perfume**:—

Ol. lavand.	ʒj.
Ol. cassiæ	ʒss.
Ol. limonis	ʒss.
Ol. verbenæ	ʒij.
Ol. citronell.	ʒss.
Ess. amygd. am.	♏xxx.

M.

ʒj. to Oj. olive oil.

203/23. *W. F. C. B.*—**Ess. Nectar. Punch** for mineral-water trade:—

Sol. ess. of lemon	ʒj.
Ess. Jargonelle pear...	℥ss.
Tincture of quillaia	ʒss.
Citric acid sol. (1 in 2)	ʒiv.
Syrup to	Cong. j.

Mix.

193/52. *Trional.*—**Petroleum Emulsion.**—If you will read Mr. Bird's paper on mineral petroleum in our issue of August 14 you will find that the cause of the sulphuretted-hydrogen odour in petroleum emulsion is the use of an oil containing a trace of sulphur or of impure hypophosphites. Your trouble is one which has annoyed many manufacturers, and they have got over it by using pure ingredients.

193/11. *M. W. I.* (St. Clear's).—The sample of **Constitution-water** for dissolving stone in the bladder consists of liq. potassæ and water. This would be a suitable form:—

Liq. potassæ	ʒij.
Aquæ ad	ʒvj.

Sig.: A tablespoonful in half a cup of barley-water every four hours.

194/12. *Thiosulph.*—**Photography for Beginners.**—One of the best books is "The Ilford Manual," by C. H. Bothamley, price 1*s.* **Eikonogen** is the sodium salt of amido-beta-naphthol sulphonic acid ($C_{10}H_9NaSO_4$).

189/27. *Rooster.*—Your **Fowl-powder** consists of something like the following:—

	Parts
Sulphate of iron	1
Powdered gentian	2
Powdered sulphate of soda... ...	5

Darken by the addition of deep-coloured red oxide of iron.

191/54. *Sponges.*—**Glass Beads** used for estimating the strength of alcoholic liquids are numbered in accordance with a table giving the strength. We give you the strengths indicated by the various numbers. The beads are not reliable, but are rather a "rough-and-ready" method for arriving at the strength:—

21	represents...	47·6 o.p.
22	„	46·6 „
23	„	45·6 „
24	„	44·6 „
25	„	43·5 „
26	„	42·4 „
27	„	41·3 „
28	„	40·2 „

194/16. *Enquirer.*—The exact quantities for **Seltzogene-powders** are:—3-pint: 340 gr. tartaric acid, 420 gr. bicarbonate soda; 5-pint: 620 gr. acid, 760 gr. soda. **Non-poisonous Cough-mixture**:—

Vin. ipecac.	ʒij.
Acid. phosph. dil.	℥j.
Tr. hyoscyam.	ʒij.
Oxymel. scillæ	℥j.
Syr. marrubii...	℥j.
Ext. glycyrrh. liq.	℥ss.
Æther. acetic.	gtt. iv.
Ol. menth. pip.	gtt. ij.

M.

Dose: One teaspoonful every three or four hours.

Nursery-ointment.—See *C. & D.*, August 8, 1896, page 270.

210/70. *Undergraduate.*—**M.B.Lond.**—It is distinctly stated in our Educational number (page 412, col. 2) that this degree "is a complete qualification for registration as a medical practitioner."

204/46. *W. J. G.* sends the following cutting from a Birmingham paper:—

The reason why dangerous compounds are used to wash the hair appears to be found in the belief that they cleanse the hair and scalp more effectually than the more innocent mixtures hitherto in use, and leave the hair in a thoroughly dry condition. These ends have long since been achieved in India by the use of sikekai-pods. These grow on a thorny sort of bramble in forest tracts. An infusion made in boiling water yields a brown liquid, which thoroughly gets rid of all dirt and grease, and leaves the hair clean and dry. The infusion is acrid, and painful if it gets into the eyes; otherwise it does no injury to the person using it. The pods are very cheap.

What are **Sikekai-pods**? he asks us. Sikekai is the Deccan name for the pods of *Acacia concinna*, described as an extremely thorny scandent shrub, occurring in jungles in most parts of India and Burmah. The pods are 3 to 4 inches long, about ¾ inch broad, and very succulent and saponaceous. A considerable trade is carried on in various parts of India in the pods, which are largely used in native medicine—externally as a detergent, and internally as a deobstruent and expectorant. As a hair-wash they are in considerable repute, as they are said to promote the growth of hair, and also to remove dandruff. The detergent properties are due to saponin, of which they contain 11·2 per cent. Their value in the bazaars is 1½r. to 1¾r. per maund of 37½ lbs.

209/0. *Acidus.*—**Battery-acid** 1·150 is likely to be nitric acid for a Grove's battery. Sulphuric acid of that strength is not used alone in batteries.

240/8. *Hypo.*—**Sir Wm. Burnett's Disinfecting-fluid** has a sp. gr. of 2.000, and is, substantially, deliquesced zinc chloride. You may make a similar solution by dissolving the chloride in the smallest possible quantity of water.

203/62. *Exalgine.*—**L.C.C. Chemists.**—The permanent appointments to the laboratory are generally made from those who are employed temporarily. These are selected in the ordinary way of business, the chief chemist examining applicants if he thinks that necessary. There are regular examinations, however, for those who act as gas-examiners, selections for these appointments being made from the successful candidates.

204/62. *J. P.*—Printers use a weak solution of soda-ash for cleaning their type, but turpentine is used for zinc blocks.

204/48. *Euclid.*—**Carbolic Lotion** for retail is made 1 in 40. You will find such things as this mentioned in the DIARY, page 477.

209/22. *Nitro-glycerine.*—Oss. is 10 fl. oz. Reference to the British Pharmacopœia would have settled this difficulty.

INFORMATION SUPPLIED.

Subjoined are notes and formulæ received from subscribers. Similar information is always welcome.

Adam and Eve and Trinity Leaves.—The plant which is popularly known as "Adam and Eve" is *Arum maculatum*, the cuckoo pint or lords and ladies. Its leaves are used by herbalists for the relief of gout and sciatica. "Herb Trinity" is the wild pansy or heartease, *Viola tricolor*. It is employed (both internally and externally) in cases of scalled head and other cutaneous eruptions.

C. S. ASHTON.

Hedgehog Oil.—In ancient medicine the fat or grease of a great many animals now discarded was brought into requisition, and the more curious the source, the more efficacious was the remedy supposed to be. Among the most celebrated was the fat of the viper, or "adder oil." This was applied to a variety of cases, including hardness of hearing. There was an old superstition to the effect that the adder was deaf; its fat must therefore, according to the doctrine of similars, be a cure for deafness. And so with the hedgehog. The young of this animal are born with ears as well as eyes closed. Hedgehog grease or oil was therefore indicated in the same complaint. It is doubtful whether this fat is any longer a commercial article, but an application to Messrs. Ewens, the lard people, would probably determine the point.

Brighton. C. S. ASHTON.

Destroying Nits.—An Australian correspondent writes:—I have found the following useful for destruction of nits. It is a modification of a *C. & D.* recipe. The mixture not only destroys the nuisance, but keeps the hair nice, and strengthens it. Coloured with a little alkanet, and adding spt. camph. ℥ss., I use it for dandruff. Have found it successful:—

Quin. sulph.	gr. x.
Acid. acetic.	ʒj.
Glycerin.	℥ij.
Inf. quass. conc.	℥viij.
Aq. rosæ (1–40)	℥j.
S.V.R....	℥j.
Aq. ad	℥xx.

Mix, and filter bright.

INFORMATION WANTED.

The Editor will be obliged for replies to the following from any who can furnish the information.

206/36. McClinton and Thompson's barilla ash soap; where obtainable?

194/19. Name or maker of a good solid lubricant for high-pressure engines?

209/3. Names of firms who compress powders (supplied by retailers and others) into tablets?

207/67. A set of materia medica labels; where obtainable?

211/21. Who are the makers of Dr. Janes's expectorant?

VIROL

is an Ideal Form of Fat Food for Children and Invalids.

It is composed of Red and Yellow Bone Marrow, combined with the fat and proteids of raw eggs, active Malt Extract, &c., in a ratio in accordance with physiological principles, and is a very pleasant form of administering natural Iron and Fat.

MARROL

is a most agreeable substitute for Cod Liver Oil for Adults.

It is prepared from Ox-bone Marrow, Extract of Malt, &c., and does not cause dyspepsia or any digestive derangement.

As fatteners both VIROL and MARROL supersede Cod Liver Oil, whilst their attractive flavour enables them to be eaten on toast, or in a variety of ways, replacing unpleasant medicines by a Food Luxury.

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CRYSTAL PALACE JOHN BONDS' GOLD MEDAL MARKING INK

CHEAPEST, BEST, AND MOST SALEABLE ARTICLE IN THE MARKET.

GIVEN AWAY and enclosed with every 6*d.* and 1/- Bottle a voucher entitling Purchasers to their Name or Monogram Rubber Stamp for Marking Linen, Stamping Paper, and also FREE with enlarged 1/- Blue Wrapper Ink an Improved Linen Stretcher. NO EXTRA CHARGE WHATEVER.

PLEASE DISPLAY IN WINDOW AND COUNTER, AND YOU WILL FIND YOUR SALE INCREASED TENFOLD.

Wanted, particulars from those issuing Lists and Annuals for which Advertisements are taken.

WHOLESALE & EXPORT DEPOT:—75 SOUTHGATE ROAD, LONDON, N.

LARGEST SALE OF ANY MARKING INK IN THE WORLD.

New Vinolia Preparations.

NAME OF PREPARATION.	RETAIL PRICE Each	TRADE PRICE Per doz.
VINOLIA TOOTH PASTE	1/-	5/3
LAIT VINOLIA. In Opal Bottles, very elegantly labelled	1/-	8/-
VINOLIA SHAVING CREAM (for use without water)	1/-	8/-
VINOLIA HAIR WASH (Moist)	1/6	13/9
" " " (Dry)	1/6	13/9
VINOLIA PERFUME CASKET (Leatherette), containing One 1/- Indirect Square Bottle of Perfume		15/6
" " " " " Two 1/- " Bottles "		26/-
" " " " " Three 1/- " " "		36/-
" " " " " One 1/3 Bottle of Perfume		15/6
" " " " " Two 1/3 Bottles "		26/-
" " " " " Three 1/3 " "		36/-

The above Trade Prices subject to usual Discounts of 7½%, and 2½% for Cash in 10 days (10% in all) on £1 Orders and upwards. Usual terms as to payment of carriage.

Complete Price List sent on application.

BLONDEAU ET CIE., MALDEN CRESCENT, LONDON, N.W.

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BARRON, HARVEYS & CO.

WHOLESALE AND EXPORT DRUGGISTS,

GILTSPUR STREET, LONDON, E.C.

Beg to inform their friends and the Trade generally that, being Sole Proprietors of the Business of

BARRON, SQUIRE & CO., BUSH LANE.

and also the various Formulæ of the Special Preparations of

JAMES BASS & SONS, HATTON GARDEN,

they are prepared to execute orders for the same, and pledge themselves to supply them in all their integrity.

SPECIMENS OF THESE PREPARATIONS have REMAINED in the MUSEUM of KEW GARDENS during 28 YEARS WITHOUT DETERIORATION.

"SWEET" PEARL COATED PILLS.

TINCTURES, ETC., IN BOND.

TO ADVANTAGE.

INSECT POWDER. Genuine Dalmatian, ground from the Closed Wild Flowers of "Pyrethrum roseum."

POWDERED HELLEBORE. In fine Powder, and Genuine.

STAVESACRE SEEDS. Own Import. We offer the Seeds whole or ground (own grinding).

CARBOLIC ACID, PALE LIQUID, 97%.

Having favourable contracts can offer to advantage in quantity.

Special Quotations on application. For lowest prices quantities should be stated.

W. KEMP & SON, Wholesale Druggists, HORNCASTLE.

BAYER'S PHARMACEUTICAL SPECIALITIES.

TRIONAL. Absolutely safe and efficacious Hypnotic. Dose: 15 to 20 grains.

SOMATOSE. An important nutrient and invigorant, especially for Convalescents, Invalids, Phthisis, Chlorosis, Carcinoma ventriculi Rachitis.

IODOTHYRIN. The active principle of the Thyroid Gland.

SALOPHEN. A Specific for Headache, Influenza, Acute Muscular Rheumatism.

TANNIGEN. Acting promptly in Chronic and Acute Enteritis, especially for Children.

LYCETOL (Tartrate of Piperazine). Antilithic, Uric Solvent.

EUROPHEN. A perfect substitute for Iodoform, odourless, and non-toxic. *Special indications:* Ulcus Molle, Papul. Madid., &c.

ARISTOL. An excellent cicatrising agent. *Special indications:* Burns, Ulcus Cruris, Parasitical Eczema, Ozæna,

PIPERAZINE-BAYER, PHENACETINE-BAYER, SULFONAL-BAYER, SALOL-BAYER.

Wholesale Depot for all "Bayer's" Drug Specialities:

ELBERFELD FARBENFABRIKEN CO., LTD., 19 ST. DUNSTAN'S HILL, E.C.

Also at 20 Booth Street, Molsey Street, MANCHESTER; 42 Bothwell Street, GLASGOW; and BRADFORD.

SHEEP DIPS. For "Information Wanted,"

WRITE TO **B. B. HARESCEUGH & CO., Wellington St., LEEDS,**

Who supply Chemists with any of the following preparations packed in their own name:—

Arsenical Powder Dip; Arsenical Paste Dip; Non-Pois. Paste Dip and Fluid Dip; Horse and Cattle Washes; Paste and Fluid; Maggot Lotion; Mange Liniment; Dog Soap; Carbolic Powder; Carbolic Acid; Carbolic Soft Soap.

DISINFECTANTS, BOTH POWDERS AND FLUIDS, IN BULK. PRICES ON APPLICATION. ESTABLISHED 1860.

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BRAND.

BICARBONATE OF SODA,

REFINED AND RECRYSTALLIZED.

PURE AND CHEAP.

ANALYSIS.

Bicarbonate of Soda	97·20
Mono Carbonate of Soda	1·90
Sulphate of Soda	trace
Chloride of Sodium	·035
Moisture	·82
Insoluble	nil

PURE ALKALI,

GUARANTEED 58 DEGREES.

EQUAL TO 98 PER CENT. OF CARBONATE OF SODA.

Most economical form of Soda for the use of Printers, Bleachers, Dyers; Glass, Paper, and Soap Makers.

CONCENTRATED CRYSTAL SODA

(Sesqui-Carbonate).

By far the Purest and Cheapest form of Washing Soda.

Only 1 lb. of Concentrated Crystal Soda required to do the work of 2 lbs. of Washing Soda

SODA CRYSTALS

OF THE FINEST QUALITY.

CAUSTIC SODA. BLEACHING POWDER.

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Manufacturers of Soda by the Ammonia Process,

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Owing to misapprehensions as to the amount of morphine used in the preparation of

Mrs. WINSLOW'S SOOTHING SYRUP,

we wish to state that the amount is one-eighth (1/8) of one grain to a fluid ounce. As there are eight teaspoonfuls to an ounce, the amount of morphine in a teaspoonful, our maximum dose, is one sixty-fourth (1/64) of a grain.

It will be seen that this is very much less than the quantity used in other preparations authorised by the Pharmacopœia.

The Anglo-American Drug Company (Lim.),
W. RENAUD, Managing Director.

33 Farringdon Road, London.

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A FEW OF

T. HOWARD LLOYD & Co.'S

SPECIALITIES FOR THE TRADE.

THE LEICESTER Soluble Pearl-coated Pills and Granules.

The original LEICESTER make.
Quality the very best.
Prices equal to any in the market.
Sales always increasing.
Private Formulæ prepared.

"BICONICAL" HORSE BALLS.

Gelatine Capsuled with name on for orders of one gross.
The most convenient form for administration.

"COMPRESSED FLOWERS." The new Cachou.

"*A bright idea.*"
Heliotrope, Jasmine, Lily of the Valley, Lavender, Wood Violet, Opoponax, Rose, &c., &c.
In 1-lb. bottles, elegantly labelled, or put up in slide boxes or screw-top bottles.
Samples and price on application.

THE LATEST NOVELTY IN SULPHUR TABLETS: Yellow and Pink Sulphur Trochettes.

"*A decided hit.*"
The colouring matter used is quite harmless.
Write for free samples.

MAGNES. CIT.

We manufacture four qualities of this—viz., A, B, C, and D.
In bulk, or in 1-lb., ½-lb., and ¼-lb. round bottles, corked.
Also in blue flats, lettered, patent stoppered or wood-top corks.
Also flavoured and tinted—Raspberry, Lemon, or Lime Fruit.

"MALTO PETROLEO."

This preparation consists of the purest Extract of Malt, combined with 33 per cent. of purified Petroleum Oil.
Purified Petroleum is a most agreeable and effective substitute for Cod Liver Oil, largely prescribed by the most eminent physicians, and its chief advantage is that it is almost without taste or smell, is readily assimilated and taken with avidity by Ladies and Children.
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PEARL-COATED DOG PILLS in boxes.

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In boxes containing 1 doz. 3*d.*, or 6*d.* packets.
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A similar line to our Dog Pills.
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The best in the market.
100 formulæ on application.

COMPRESSED TABLETS of pure drugs.

For internal and Hypodermic use.
In bulk or put up in bottles for retail sale, and with or without our name.
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Fruit saline, flavoured and tinted—Raspberry, Lemon, or Lime Fruit in white glass bottles.

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In 6-oz. white patent stoppered flats.

THE NEW SULPHUR SALINE GRAINS.

A splendid combination of the new Fruit Saline grains with pure precipitated Sulphur. One of the most taking preparations for this season of the year.
In 6-oz. white patent stoppered flats.
Buyer's name on 3 doz. and upwards.

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T. HOWARD LLOYD & CO., WHOLESALE AND EXPORT DRUGGISTS AND MANUFACTURING CHEMISTS,

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THE NEW TOILET SOAP.

HUGGINS' SOAP WORKS, Lim., are now appointing Agents amongst respectable Chemists in all the leading towns in the United Kingdom.

Unprecedented favourable terms to the first Three Hundred appointed.

Apply, HUGGINS' SOAP WORKS, LIM.

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THE NORTH LONDON GLASS BOTTLE COMPANY

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The NEW SHAPE FLAT BOTTLES, with rounded edges, plain or graduated—

3 & 4 oz. ..	7/6 per gross.	10 & 12 oz. ..	12/- per gross.
6 ,, 8 ,, ..	8/6 ,,	16 ,, ..	16/- ,,

WHITE MOULDED PHIALS, plain or graduated Teaspoons—

½ oz.	3/6 per gross.	1½ oz.	4/6 per gross.
,, ...	3/9 ,,	2 ,, ...	5/- ,,

PLEASE NOTE.

Six gross and upwards, assorted or otherwise, are carriage paid to any address in England; smaller quantities not carriage paid.

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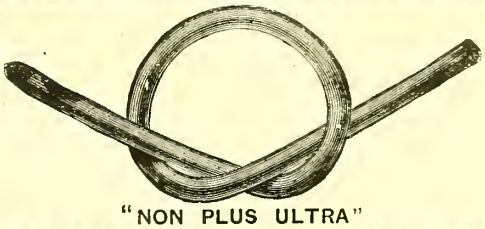
Established 50 years. *Bankers—London and Westminster Bank.*



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CATHETERS and BOUGIES

WARRANTED WOVEN EYES, SOLID ENDS, VERY FLEXIBLE AND STRONG WEB.

Cylindrical	7/6 per dozen.
Conical	8/6 ,,
A Boule or Olive pointed	9/6 ,,
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Large Discount for Wholesale Buyers.

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SUPPORT HOME INDUSTRIES.

A.D. 1777.

BUY KENT'S BRUSHES.

See pp. 209-12, Summer Issue, 1896; also Diary, 1897, pp. 160, 161, 162, 163.

A GOOD PROFIT!

ALL RETAILERS SHOULD STOCK

GOLDEN NUGGET OINTMENT

For PILES.

1/1½ sizes, Wholesale Price 9/6 per doz.

WILTON & CO., LTD.

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BISMUTH AND MERCURIAL PREPARATIONS,

ETHERS, PYROXYLINS, COLLODIONS,

And Chemicals for Scientific and Technical Purposes. [2]

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MANUFACTURING CHEMISTS, WHOLESALE & EXPORT DRUG MERCHANTS, HULL.

Manufacturers of Granular Effervescent Preparations. We shall be glad to give specially favourable quotations, and send samples of our superior Nos. 1, 2, and 3 qualities of **CITRATE OF MAGNESIA.**

Importers of Cod-liver, Castor, and Olive Oils; Extra Super Essence of Lemon and Bergamot, Otto de Rose, and all Essential Oils; Valentia Saffron; Vanillas; Fruit Essences; Carmine, Aniline Dyes; Bees' Wax, &c., &c.

MANUFACTURERS of Very Superior Flexible Gelatine Capsules of Balsam Copaiba, Cascara Sagrada, Castor Oil, Cod-liver Oil, Santal Oil, and **Blaud's Pill Capsules,** equal to 1, 2, and 3 pills. Samples and Lowest Quotations per 1,000, or in Boxes for Retail, will be sent on application from either the Wholesale or Retail Trade.

A Most Powerful, Absolutely Non-Poisonous, Non-Irritant, & Convenient

ANTISEPTIC DISINFECTANT & DEODORANT

Chinosol ($C_9H_6N.KSO_4$) is, as shown by the Bacteriological Reports, at least **40 times** stronger in its germicidal action than Carbolic Acid, without possessing the **dangerous** and otherwise **objectionable** properties of the latter.

Chinosol is sold in various forms adapted to its manifold important applications—viz., Pure Chinosol, in Powder and Compressed Tablets; Crude Chinosol, in Granular and Fluid form, as a Disinfectant and Deodorant; Dusting Powder, for Wounds, Sores, and for Destruction of Parasites, &c.; Chinosol Lanolin Ointment; Chinosol Antiseptic Surgical Dressings; Chinosol Soap (Medicinal, Veterinary, and Toilet), &c., &c.

A special and very saleable Counter line, for Retail, is provided in a box (as per facsimile), containing Chinosol Tablets, sufficient to make, by simply dissolving in cold water, **2 gallons** of a strong **Deodorant,** or **10 gallons** of an efficient **Disinfectant.**

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DOUBLE EXTRAIT PERFUME, in bottles of 18 ounces weight, in all scents	„	6/-

Perfume in neat bottles from 1/6 per dozen upwards. Also Soaps and Perfumes at lower and higher prices. Also, as advertised in different papers, Bergmann's Lily-Milk Soap, sale price, 6*d.* per piece.

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The CHEAPEST HOUSE in the COUNTRY

1d. Packets. PER **5/6** GROSS. In 1 or 3 doz. Paper Parcels.

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Only the Finest Quality of Herbs are Packed; 90% of the Packets contain 1 oz.; on each Packet full directions for Preparing Dose for Children and Adults, Medicinal Properties, Botanical Name, Synonyms and a useful Recipe are given.

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"CHLOROS" is a liquid; it yields no insoluble residue, and cannot stop up drains.

"CHLORIDE OF LIME," containing 35 per cent. available Chlorine.

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Do you require Petroleum Jelly?

If so, SNOWDON'S PETROLEUM JELLY, White or Yellow, is the best and purest obtainable. It fulfils all the requirements of the B.P., is pronounced by the Medical Profession to be unsurpassed, and DR. S. RIDEAL, D.Sc. Lond., F.I.C., F.C.S., states that the various kinds are of "uniform good quality."

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The "SNOWDRIFT" (Regd.) BRAND is of a tough or stringy consistency, and is highly commended by *The Hospital*, which says of it "That its tough or stringy nature is a great improvement. We learn that already the demand for the "Snowdrift" Brand is very great. It is cheaper than ordinary vaseline, and we confidently recommend it to the Medical Profession." Samples and Prices will be sent on application.

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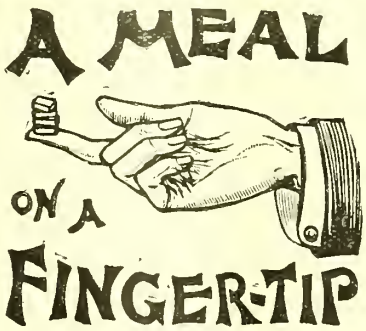
THE NEW CONCENTRATED FOOD & DRINK TABLETS

— FOR —

Travellers, Cyclists, Athletes, Dyspeptics, Invalids, and Convalescents.



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ARE LEAPING INTO POPULARITY, and are being Stocked by all WIDE-AWAKE CHEMISTS.

6d., 1/-, and 2/9 Boxes.

The 6d. line is a special one, owing to the demand for Marvine Geloids spreading among all classes of Cyclists and Athletes, who require a maximum of nutriment in a minimum of space.

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"These Filters represent the greatest progress made in the construction of Filters during the last 10 years."—DR. PLAGGE.

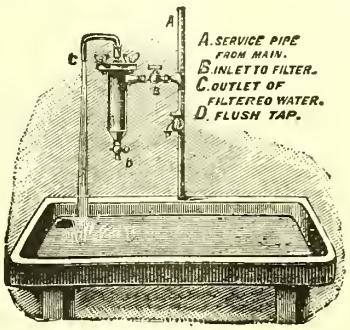
In the Berkefeld Filter the filtering medium is in the form of hollow cylinders or candles of various sizes, made of Kieselguhr, a substance which, on account of its enormous porosity, consisting, as it does, of the silicious skeletons of diatoms, is an ideal filtering medium.

The advantages claimed for the Berke- Filters are:—

1.—They are simple in construction, and can be easily cleaned and sterilised.

2.—The filtrate is absolutely free from any suspended matter and from germs, provided proper attention is paid to regular cleaning and sterilising.

3.—They give an output of sterile filtrate from 5 to 10 times larger than any other germ-proof filter.



FILTER (as sketch) to attach to service-pipe	... ...	£2 2 0
Smaller size	...	1 5 0
Glass Table Filters from	...	0 8 9

Chemists will find these Filters a profitable line, and one they can confidentially recommend to their customers.

Counter Filters specially adapted for Chemists doing a trade in Saline and Summer Drinks.

NO MINERAL WATER PLANT COMPLETE WITHOUT A

Berkefeld Filter.

FULL ILLUSTRATED LIST AND TRADE TERMS ON APPLICATION.

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IN £5 LOTS.

Complying with the voice of the majority of the Trade, the Proprietor of BEECHAM'S PILLS has reduced the minimum limit of orders to Five Pound Lots, and hopes this may be generally acceptable

The new arrangement came into force on January 1st and the prices are now as follows:—

BEECHAM'S PILLS.—	*9½d. size*	*(36 pills)*	*7/- per dozen, net.*	
	13½d.	*,, (56 pills)*	*9/6*	*,, ,,*
	2/9	*,, (168 pills)*	*25/-*	*,, ,,*

No orders executed below £5 value. These prices are the lowest, no matter what quantity is ordered.

BEECHAM'S TOOTH PASTE (in collapsible tubes).—1/- size ... per dozen, net, 7/6

Packages free. Carriage paid.

Cash must in all cases accompany orders, which, with requisitions for advertising matter, must be addressed—

THOMAS BEECHAM, ST. HELENS, LANCASHIRE.

DR. SCOTT'S BILIOUS & LIVER PILLS.

The Proprietors of the above well-known Pills have decided in the interest of the Retail trade to stop all further cutting and allow a reasonable profit, and in so doing hope to secure the goodwill and co-operation of all respectable Chemists and Druggists.

A GOOD PILL and GOOD PROFIT.

1/1½ size	Wholesale Price,	*10/-*	per dozen.
,, ,,	Minimum Retail Price,	*1/-*	,, box.
2/9 ,,	Wholesale Price,	*24/-*	,, dozen.
,, ,,	Minimum Retail Price,	*2/6*	,, box.

The proprietors will be obliged if Chemists will report all cases of Cutting to

THE SECRETARY, PROPRIETARY ARTICLES TRADE ASSOCIATION,

2 and 3 STONECUTTER STREET, E.C.,

who will see that the Cutting is stopped or supplies withheld.

Messrs. LAMBERT & CO. will be pleased to supply Handbills, with Name and Address, CARRIAGE PAID, on receipt of Business Card direct to 173 Seymour Place, London W.

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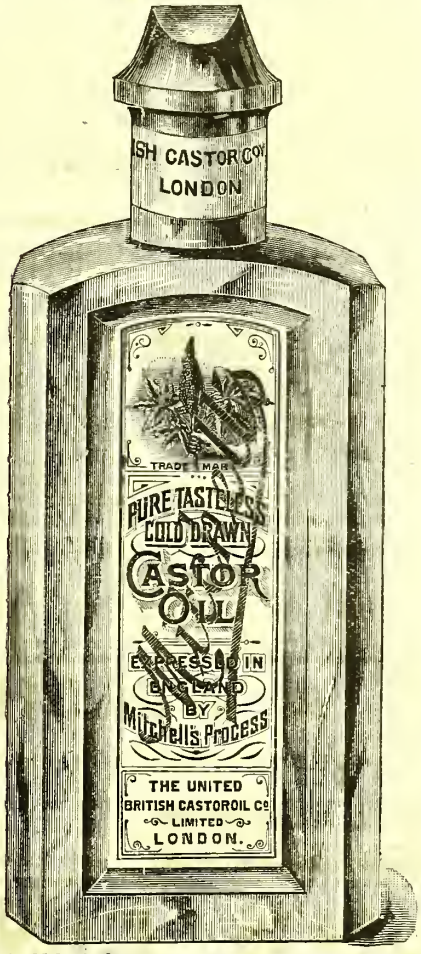
CASTOR OIL

The *Lancet* of 8th June, 1895, says:—"MITCHELL'S PROCESS of extracting and refining Castor Oil is obviously an improvement which the profession cannot fail to approve and welcome, since in removing the great objection to the Oil—namely, that of repulsive taste, as well as in securing its full therapeutic effect—it is calculated to assist and to facilitate the administration of a very valuable therapeutic agent."



The *British Medical Journal* of 18th May, 1895, says:—"Castor Seeds have, unless very old, a pleasant nutty flavour, and the disagreeable taste of ordinary Castor Oil has been produced by the conjoint action of moisture, air, heat, and fermentative changes during the expression of the Oil from the Seeds and its subsequent treatment. An Oil can be obtained as pleasant to the taste as the fresh seed, if the expression is not assisted by artificial heat, and the Oil at once freed from impurities by filtration without heat, in vessels from which air is excluded, and bottled *in vacuo*. . . . By MITCHELL'S COLD PROCESS . . . the Oil thus obtained has a simple bland taste, resembling olive oil, the nauseous taste associated with the ordinary Cold Drawn Castor Oil being entirely absent."

The *Hospital* of 8th June, 1895, says:—"We have tested the samples sent us both clinically and chemically, and the results are excellent. . . . We have never yet met with an Oil that had not this taste till we tried Mitchell's . . . We consider this Oil the very best we have met with, and can cordially recommend its use to the profession."

Put up in 2, 4, & 8 oz. bottles, to be retailed at 6d., 9d., & 1s.

Also supplied in
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FOR PARTICULARS AS TO DISCOUNTS, &c., APPLY

THE UNITED BRITISH CASTOR OIL CO., LTD.
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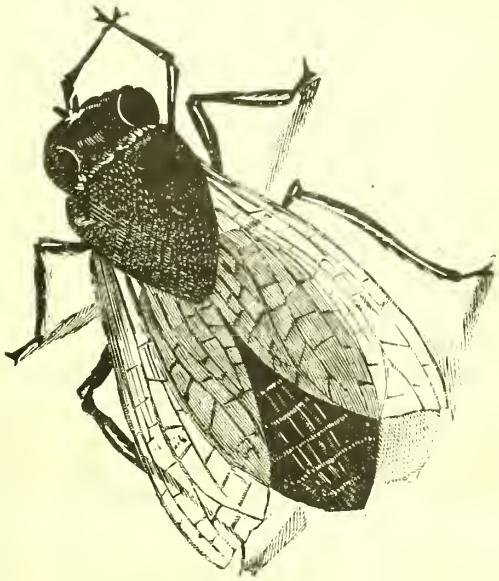
If you are



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PERFUMERY,

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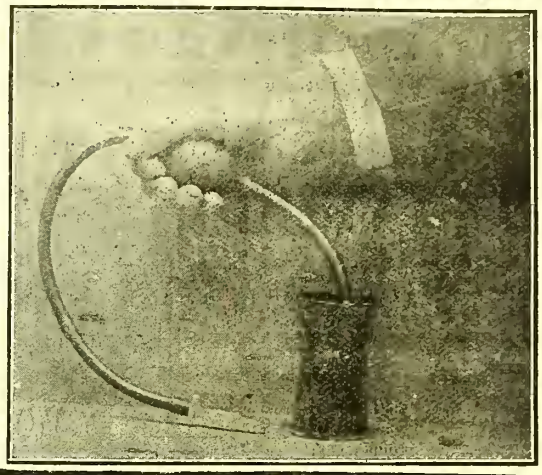
MADE IN BEST BLACK RUBBER, MOULDED.

The Patent Anchor holds the Enema firmly in position when in use, leaving both hands free and effectually preventing the possibility of air being drawn inside the Enema instead of the fluid.

ANCHORS with VALVE ATTACHMENT, which can be readily fitted to any Enema, can be had separately.



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Used by the leading **Athletes, Cyclists, &c.** Invaluable for **Liver Complaints, Rheumatism,** and all **Nervous Disorders.** A sure Preventative of **Obesity.**

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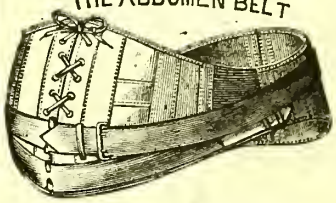

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TRUSSES of every description,

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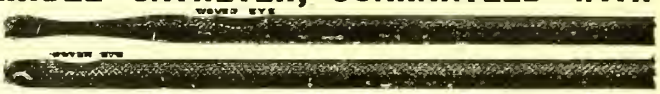

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Specially Bleached & Grey Carded Cotton Wools, Absorbent & Bleached & Grey Waddings; also Sheet Waddings, Tow, &c.

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Write for List of Prices, Press Opinions, and Descriptive Circulars, to the Patentee—

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We are Sowing it in Advertising the

Half-Penny MENE TOWEL for Ladies.

ANTISEPTIC.
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COMFORTABLE.

MENE TOWELS are far superior to any other Towel.
MENE TOWELS are Antiseptic and perfectly Pure.
MENE TOWELS are manufactured in England.
MENE TOWELS last twice as long as any penny Towel.

PRICES.

No. 1, **4/9**, to retail at **6/-** per gross.
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MENE TOWELS will prevent Linen being soiled, a great gain.
MENE TOWELS are the most comfortable yet introduced.
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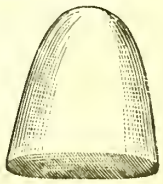

"WIFE'S FRIEND" SOLUBLE QUININE PESSARIES.

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Several Injunctions in the High Court of Justice having already been obtained against "Infringers" (reports of which have appeared in "The Chemist and Druggist," the most recent being in issue of April 24, 1897), W. J. RENDELL'S SOLICITORS are instructed to take proceedings against all persons (Makers or Vendors) fraudulently using the name of "W. J. RENDELL," "RENDELL," or any colourable imitation thereof, in connection with Pessaries *not* manufactured by

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See that the Registered Trade Mark and Number (but in red ink) are upon each box thus:—

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Registered also in Australia, India, The Cape, The Argentine, Germany, &c.

INDIARUBBER HOT WATER BOTTLES,

CUSHIONS, BEDS, PILLOWS, &c.

Made of Best "Para" Rubber and guaranteed Durable.

STANDARD DRAB QUALITY—OUR

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RED, BLACK, AND CLOTH COVERED.

All our Bottles are fitted with Currie's Patent Safety Filling Screw, which prevents risk of scalding when filling.

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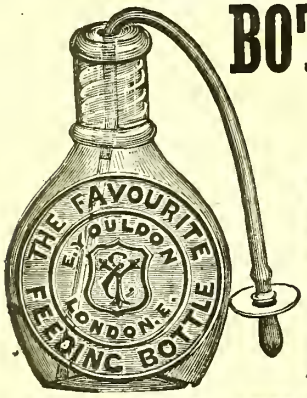

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ESTABLISHED 1840,

East London Glass Bottle Warehouse,

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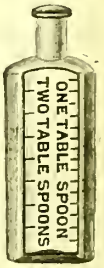

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Of all strengths, soluble in water to any extent, forming a milky solution.

CARBOLIC ACIDS

Crude and pale, of all strengths.

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All Colours, containing 5%, 10%, 15% genuine Carbolic Acid. Packed in Casks, Bags, and Tins of all sizes.

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A superior Disinfectant for Hospital and indoor use. Soluble in Water.

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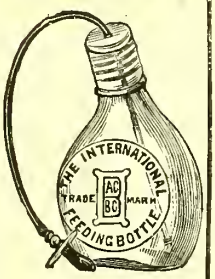

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GRADUATED MEASURES.

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5/6	**5/6**	**7/6**	**8/-**	**10/6**	**13/6**	**16/-**	**18/-**	per dozen.

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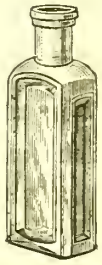

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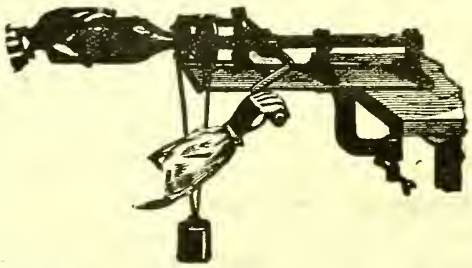

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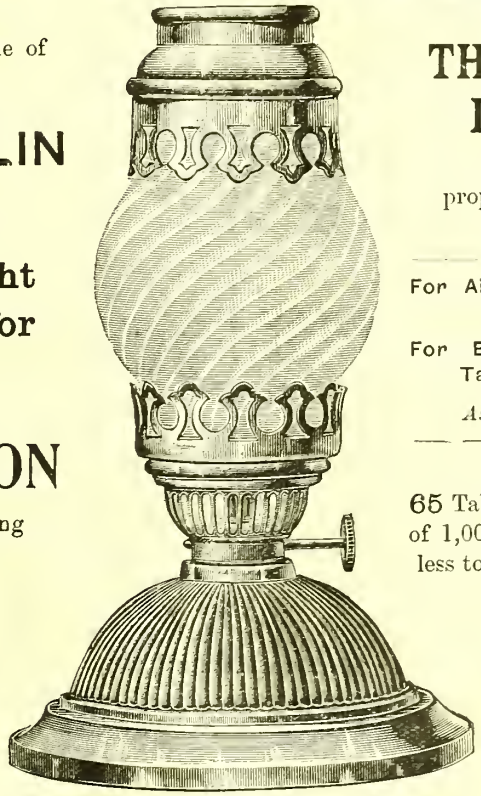

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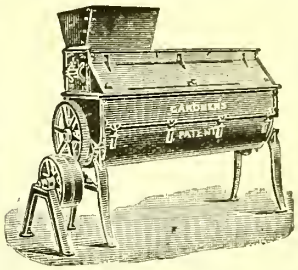

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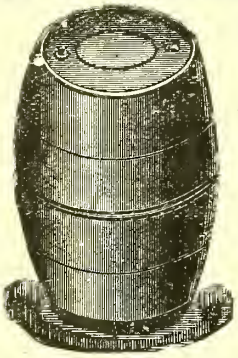

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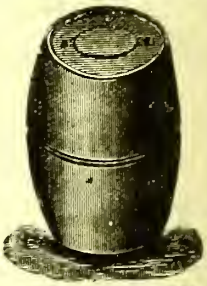

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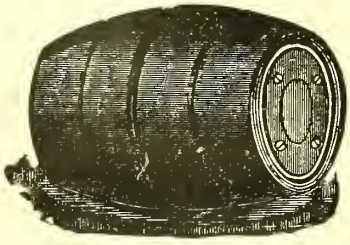

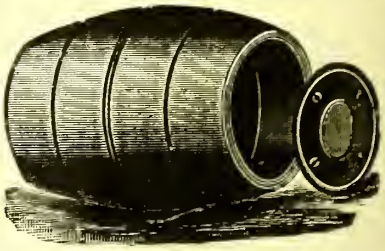

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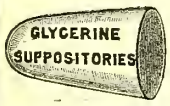

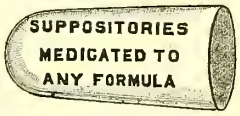

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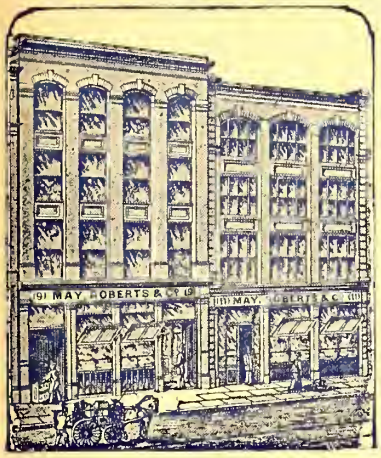

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Per gross, 5/-, in Wood Boxes. Smaller quantities, 5/6.

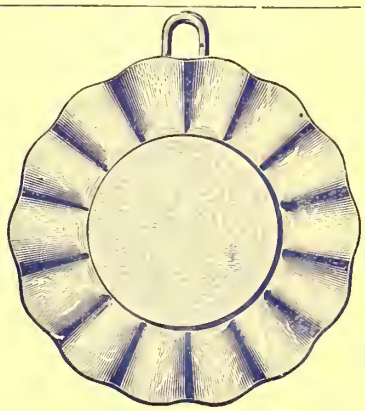
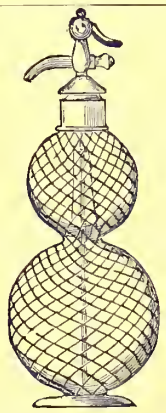


ILLUSTRATION HALF ACTUAL SIZE.

SELTZOGENES.

FÈVRE'S.

	2 pt.	3 pt.	5 pt.	8 pt.
Genuine, cane-covered, each ...	6/9	8/3	12/6	20/3
	2 pt.	3 pt.	5 pt.	8 pt.
Genuine, wire-covered, each ...	6/6	7/9	11/9	18/9



SELTZOGENES.

SYSTÈME FÈVRE.

Made expressly for M., R. & Co.

	3 pints.	5 pints.
Wire-covered, each	7/-	10/-

Each guaranteed.

Universal Metal Putz Pomade.

For Cleaning Brass, Iron, &c.
1 tins, 5/- gross. 3*d*. tins, 13/- gross.

AMERICAN LIQUID PUTZ.

TRADE MARK AND LABEL REGISTERED.

Small Cans	per doz.	4/6
Half-pint Cans	„	8/-
Gallon Cans	„	100/-

Prince's Polishing Powder.

6*d*. Boxes, 3/6 doz.; 1/- Boxes, 7/-.

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YEAR BY YEAR 1847 TO 1897 INCREASING DEMAND

UNIVERSAL 8½D ETC. FOR HUMAN USE

FOR **Elliman's Embrocation**

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ABSOLUTELY PURE therefore BEST.

Cadbury's is "The Typical Cocoa of English Manufacture, **Absolutely Pure.**"—*The Analyst.*

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NURSERY POWDERS,
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"Dimatos" is the name which has been given to a newly-discovered Infusorial Earth, which, on account of its appearance and properties, surpasses in value all other varieties of such Earths hitherto met with in commerce.

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" ½ " "	42/6 "	" 7-lb. " "	50/-
" ¼ "	45/- "	Bags Free. Carriage Paid.	

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Printed by SPOTTISWOODE & Co., New-street Square; and Published at the Office, 42 Cannon Street, in the City of London—*September* 11, 1897.